Welcome to STN International! Enter x:x

LOGINID:sssptau125rxt

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS 1		Web Page URLs for STN Seminar Schedule - N. America
NEWS 2		"Ask CAS" for self-help around the clock
NEWS 3	Feb 24	PCTGEN now available on STN
NEWS 4	Feb 24	TEMA now available on STN
NEWS 5	Feb 26	NTIS now allows simultaneous left and right truncation
NEWS 6	Feb 26	PCTFULL now contains images
NEWS 7	Mar 04	SDI PACKAGE for monthly delivery of multifile SDI results
NEWS 8	Mar 24	PATDPAFULL now available on STN
NEWS 9	Mar 24	Additional information for trade-named substances without structures available in REGISTRY
NEWS 10	Apr 11	Display formats in DGENE enhanced
NEWS 11	Apr 14	MEDLINE Reload
NEWS 12	Apr 17	Polymer searching in REGISTRY enhanced
NEWS 13	Jun 13	Indexing from 1947 to 1956 added to records in CA/CAPLUS
NEWS 14	Apr 21	New current-awareness alert (SDI) frequency in WPIDS/WPINDEX/WPIX
NEWS 15	Apr 28	RDISCLOSURE now available on STN
NEWS 16	May 05	Pharmacokinetic information and systematic chemical names added to PHAR
NEWS 17	May 15	MEDLINE file segment of TOXCENTER reloaded
NEWS 18	May 15	Supporter information for ENCOMPPAT and ENCOMPLIT updated
NEWS 19	May 19	Simultaneous left and right truncation added to WSCA
NEWS 20	May 19	RAPRA enhanced with new search field, simultaneous left and right truncation
NEWS 21	Jun 06	Simultaneous left and right truncation added to CBNB
NEWS 22	Jun 06	PASCAL enhanced with additional data
NEWS 23	Jun 20	2003 edition of the FSTA Thesaurus is now available
NEWS 24	Jun 25	HSDB has been reloaded

NEWS EXPRESS	April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP), AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003
NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS INTER	General Internet Information
NEWS LOGIN	Welcome Banner and News Items
NEWS PHONE	Direct Dial and Telecommunication Network Access to STN
NEWS WWW	CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 15:49:40 ON 15 JUL 2003

=> file reg
COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 15:49:46 ON 15 JUL 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 14 JUL 2003 HIGHEST RN 548428-18-8
DICTIONARY FILE UPDATES: 14 JUL 2003 HIGHEST RN 548428-18-8

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP
PROPERTIES for more information. See STNote 27, Searching Properties
in the CAS Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

=> scedrol
SCEDROL IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> s cedrol
L1 43 CEDROL

=> s patchouli
L2 33 PATCHOULI

=> s santalol
L3 36 SANTALOL

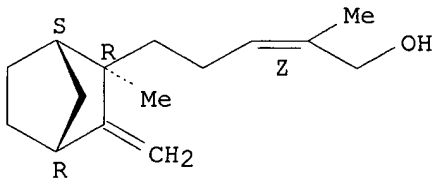
=> s l3 36
MISSING OPERATOR

=> d l3 36

L3 ANSWER 36 OF 36 REGISTRY COPYRIGHT 2003 ACS
RN 77-42-9 REGISTRY
CN 2-Penten-1-ol, 2-methyl-5-[(1S,2R,4R)-2-methyl-3-
methylenebicyclo[2.2.1]hept-2-yl]-, (2Z)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN **.beta.-Santalol (6CI)**
CN 2-Penten-1-ol, 2-methyl-5-(2-methyl-3-methylene-2-norbornyl)- (7CI, 8CI)
CN 2-Penten-1-ol, 2-methyl-5-(2-methyl-3-methylenebicyclo[2.2.1]hept-2-yl)-,
[1S-[1.alpha.,2.alpha.(Z),4.alpha.]]-

OTHER NAMES:
CN **(-)-(Z)-.beta.-Santalol**
CN **(-)-.beta.-Santalol**
CN **cis-.beta.-Santalol**
CN **Santalol b**
FS STEREOSEARCH
DR 37172-31-9
MF C15 H24 O
LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CHEMLIST, CIN, HODOC*, HSDB*, IFICDB, IFIPAT, IFIUDB, MRCK*, NAPRALERT, SPECINFO, TOXCENTER, USPATFULL
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)

Absolute stereochemistry.
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

129 REFERENCES IN FILE CA (1957 TO DATE)
4 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
129 REFERENCES IN FILE CAPLUS (1957 TO DATE)
9 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

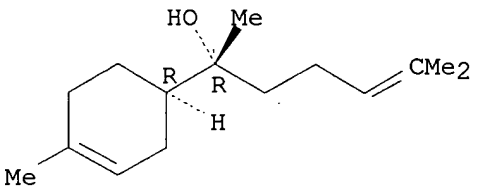
=> s bisabolol
L4 31 BISABOLOL

=> d l4 31

L4 ANSWER 31 OF 31 REGISTRY COPYRIGHT 2003 ACS
RN 515-69-5 REGISTRY
CN 3-Cyclohexene-1-methanol, .alpha.,4-dimethyl-.alpha.-(4-methyl-3-pentenyl)-, (.alpha.R,1R)-rel- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 3-Cyclohexene-1-methanol, .alpha.,4-dimethyl-.alpha.-(4-methyl-3-pentenyl)-, (R*,R*)-
CN 5-Hepten-2-ol, 6-methyl-2-(4-methyl-3-cyclohexen-1-yl)- (6CI, 7CI, 8CI)
OTHER NAMES:
CN **(.+-.)-.alpha.-Bisabolol**
CN **.alpha.-Bisabolol**
CN **Bisabolol**
CN Camilol
CN **dl-.alpha.-Bisabolol**
CN Dragosantol
CN Hydagen B
FS STEREOSEARCH
DR 63601-23-0, 25428-43-7, 21090-60-8, 67375-41-1
MF C15 H26 O
CI COM

LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, EMBASE, IPA, MEDLINE, MRCK*, PIRA, PROMT, RTECS*, SPECINFO, TOXCENTER, USPAT2, USPATFULL
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)

Relative stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

857 REFERENCES IN FILE CA (1957 TO DATE)
11 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
863 REFERENCES IN FILE CAPLUS (1957 TO DATE)
10 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

```
=> e bisabolol
E1            9     BISABOLENOL/BI
E2            1     BISABOLIDE/BI
E3           31 --> BISABOLOL/BI
E4            1     BISABOLOLONE/BI
E5            2     BISABOLON/BI
E6            6     BISABOLONE/BI
E7            2     BISABOLONOXIDE/BI
E8            1     BISABOLOXIDE/BI
E9            1     BISABOLYL/BI
E10           2     BISABON/BI
E11           1     BISABONE/BI
E12           2     BISABONOL/BI

=> s vetiverol
L5            2 VETIVEROL

=> d l5 1 2

L5   ANSWER 1 OF 2  REGISTRY  COPYRIGHT 2003 ACS
RN   68129-81-7  REGISTRY
CN   Vetiverol (9CI)  (CA INDEX NAME)
OTHER NAMES:
CN   Lignolia
CN   Vetivenol
CN   Vetivol
MF   Unspecified
CI   COM, MAN
LC   STN Files:   BIOBUSINESS, BIOSIS, CA, CAPLUS, CHEMCATS, CHEMLIST, CIN,
       CSCHEM, DDFU, DRUGU, NAPRALERT, RTECS*, TOXCENTER, USPAT2, USPATFULL
         (*File contains numerically searchable property data)
     Other Sources:   DSL**, EINECS**
```

(**Enter CHEMLIST File for up-to-date regulatory information)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
53 REFERENCES IN FILE CA (1957 TO DATE)
4 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
53 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L5 ANSWER 2 OF 2 REGISTRY COPYRIGHT 2003 ACS
RN 62563-80-8 REGISTRY
CN **Vetiverol, acetate (6CI, 9CI)** (CA INDEX NAME)
OTHER NAMES:
CN Vetiveryl acetate
MF C2 H4 O2 . x Unspecified
LC STN Files: BIOSIS, CA, CAOLD, CAPLUS, CHEMCATS, CHEMLIST, CIN, CSCHEM, RTECS*, TOXCENTER, USPATFULL
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**
(**Enter CHEMLIST File for up-to-date regulatory information)

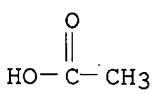
CM 1

CRN 68129-81-7
CMF Unspecified
CCI MAN

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

CM 2

CRN 64-19-7
CMF C2 H4 O2



38 REFERENCES IN FILE CA (1957 TO DATE)
38 REFERENCES IN FILE CAPLUS (1957 TO DATE)
3 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

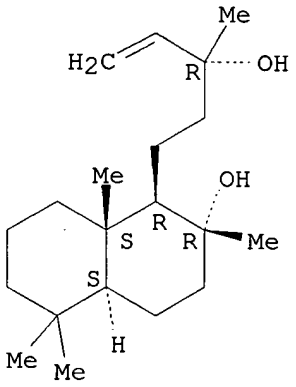
=> s sclareol
L6 30 SCLAREOL

=> d l6 30

L6 ANSWER 30 OF 30 REGISTRY COPYRIGHT 2003 ACS
RN 515-03-7 REGISTRY
CN 1-Naphthalenepropanol, .alpha.-ethenyldecahydro-2-hydroxy-.alpha.,2,5,5,8a-pentamethyl-, (.alpha.R,1R,2R,4aS,8aS)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1-Naphthalenepropanol, .alpha.-ethenyldecahydro-2-hydroxy-.alpha.,2,5,5,8a-pentamethyl-, [1R-[1.alpha.(R*),2.beta.,4a.beta.,8a.alpha.]]-
CN Labd-14-ene-8,13-diol, (13R)- (8CI)
CN **Sclareol (6CI)**
OTHER NAMES:
CN **(-)-Sclareol**
FS STEREOSEARCH
DR 17904-64-2
MF C20 H36 O2

CI COM
LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, DDFU, DRUGU, EMBASE, MEDLINE, NAPRALERT, NIOSHTIC, PROMT, RTECS*, SPECINFO, TOXCENTER, USPATFULL
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)

Absolute stereochemistry. Rotation (-).



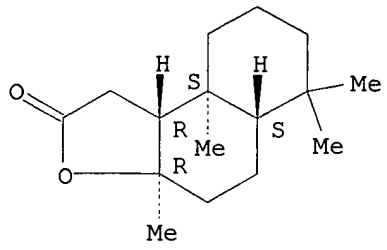
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

261 REFERENCES IN FILE CA (1957 TO DATE)
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
261 REFERENCES IN FILE CAPLUS (1957 TO DATE)
19 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> d l6 29

L6 ANSWER 29 OF 30 REGISTRY COPYRIGHT 2003 ACS
RN 564-20-5 REGISTRY
CN Naphtho[2,1-b]furan-2(1H)-one, decahydro-3a,6,6,9a-tetramethyl-, (3aR,5aS,9aS,9bR)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Naphtho[2,1-b]furan-2(1H)-one, 3a,4,5,5a.alpha.,6,7,8,9,9a,9b.alpha.-decahydro-3a.beta.,6,6,9a.beta.-tetramethyl- (8CI)
CN Naphtho[2,1-b]furan-2(1H)-one, decahydro-3a,6,6,9a-tetramethyl-, [3aR-(3a.alpha.,5a.beta.,9a.alpha.,9b.beta.)]-
CN Norambreinolide (6CI, 7CI)
OTHER NAMES:
CN (+)-Norambreinolide
CN **(+)-Sclareolide**
CN Norambreinolid
CN **Sclareolide**
FS STEREOSEARCH
MF C16 H26 O2
LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, NAPRALERT, SPECINFO, TOXCENTER, USPATFULL
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)

Absolute stereochemistry. Rotation (+).



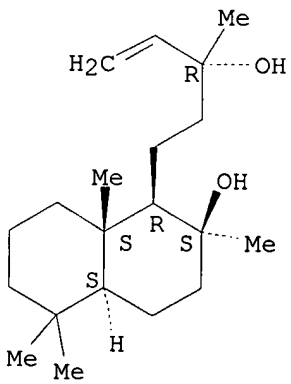
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

140 REFERENCES IN FILE CA (1957 TO DATE)
140 REFERENCES IN FILE CAPLUS (1957 TO DATE)
5 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> d l6 28

L6 ANSWER 28 OF 30 REGISTRY COPYRIGHT 2003 ACS
RN 1232-00-4 REGISTRY
CN 1-Naphthalenepropanol, .alpha.-ethenyldecahydro-2-hydroxy-.alpha.,2,5,5,8a-pentamethyl-, [1R-[1.alpha.(R*),2.alpha.,4a.beta.,8a.alpha.]]- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Labd-14-ene-8.beta.,13-diol (7CI, 8CI)
OTHER NAMES:
CN **8-Episclareol**
CN 8.beta.-Labd-14-ene-8,13-diol
FS STEREOSEARCH
MF C20 H36 O2
LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, CASREACT, CHEMINFORMRX
(*File contains numerically searchable property data)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

4 REFERENCES IN FILE CA (1957 TO DATE)
4 REFERENCES IN FILE CAPLUS (1957 TO DATE)
2 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

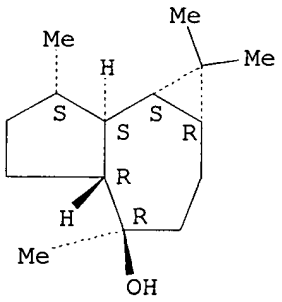
=> s globuol
L7 0 GLOBUOL

=> s globulol
L8 9 GLOBULOL

=> d l8 7 8 9

L8 ANSWER 7 OF 9 REGISTRY COPYRIGHT 2003 ACS
RN 55659-76-2 REGISTRY
CN 1H-Cycloprop[e]azulen-4-ol, decahydro-1,1,4,7-tetramethyl-, (1aR,4R,4aR,7S,7aS,7bS)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1H-Cycloprop[e]azulen-4-ol, decahydro-1,1,4,7-tetramethyl-, [1aR-(1a.alpha.,4.alpha.,4a.alpha.,7.beta.,7a.beta.,7b.alpha.)]-
OTHER NAMES:
CN **(-)-4-Epiglobulol**
CN **4-Epiglobulol, (-)-**
FS STEREOSEARCH
MF C15 H26 O
LC STN Files: BEILSTEIN*, CA, CAPLUS, CHEMINFORMRX
(*File contains numerically searchable property data)

Absolute stereochemistry.



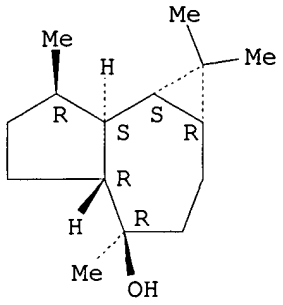
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

4 REFERENCES IN FILE CA (1957 TO DATE)
4 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L8 ANSWER 8 OF 9 REGISTRY COPYRIGHT 2003 ACS
RN 51371-47-2 REGISTRY
CN 1H-Cycloprop[e]azulen-4-ol, decahydro-1,1,4,7-tetramethyl-, (1a.alpha.,4.alpha.,4a.alpha.,7.alpha.,7a.beta.,7b.alpha.)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1H-Cycloprop[e]azulen-4-ol, decahydro-1,1,4,7-tetramethyl-, (1a.alpha.,4.alpha.,4a.alpha.,7.alpha.,7a.beta.,7b.alpha.)-(.+-.)-
OTHER NAMES:
CN **(.+-.)-Globulol**
FS STEREOSEARCH
MF C15 H26 O

LC STN Files: BEILSTEIN*, CA, CAPLUS, CHEMCATS, CHEMINFORMRX
(*File contains numerically searchable property data)

Relative stereochemistry.

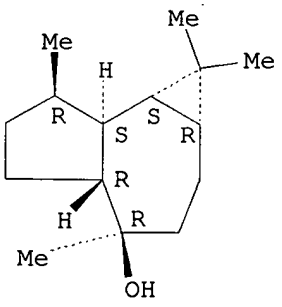


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3 REFERENCES IN FILE CA (1957 TO DATE)
3 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L8 ANSWER 9 OF 9 REGISTRY COPYRIGHT 2003 ACS
RN 489-41-8 REGISTRY
CN 1H-Cycloprop[e]azulen-4-ol, decahydro-1,1,4,7-tetramethyl-,
(1aR,4R,4aR,7R,7aS,7bS)- (8CI, 9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1H-Cycloprop[e]azulen-4-ol, decahydro-1,1,4,7-tetramethyl-,
[1aR-(1a.alpha.,4.alpha.,4a.alpha.,7.alpha.,7a.beta.,7b.alpha.)]-
CN **Globulol (6CI, 7CI)**
OTHER NAMES:
CN **(-)-Globulol**
FS STEREOSEARCH
MF C15 H26 O
LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, CA,
CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CSCHEM,
NAPRALERT, SPECINFO, TOXCENTER, USPAT2, USPATFULL
(*File contains numerically searchable property data)
Other Sources: EINECS**
(**Enter CHEMLIST File for up-to-date regulatory information)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

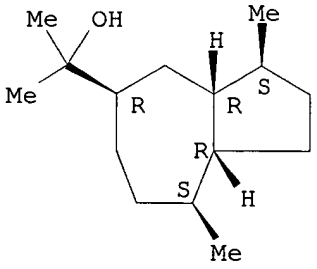
592 REFERENCES IN FILE CA (1957 TO DATE)
594 REFERENCES IN FILE CAPLUS (1957 TO DATE)
14 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> s guaiol
L9 11 GUAIOL

=> d l9 8 9 10 11

L9 ANSWER 8 OF 11 REGISTRY COPYRIGHT 2003 ACS
RN 3526-76-9 REGISTRY
CN 5-Azulenemethanol, decahydro-.alpha.,.alpha.,3,8-tetramethyl-, [3S-(3.alpha.,3a.alpha.,5.alpha.,8.alpha.,8a.alpha.)]- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1.beta.,5.beta.-Guaian-11-ol (8CI)
OTHER NAMES:
CN **1.beta.,5.beta.-Dihydroguaiol**
FS STEREOSEARCH
MF C15 H28 O
LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS
(*File contains numerically searchable property data)

Absolute stereochemistry.

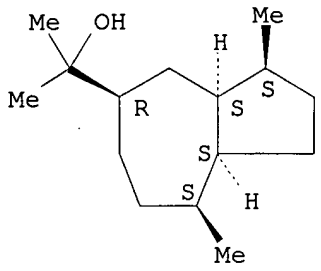


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3 REFERENCES IN FILE CA (1957 TO DATE)
3 REFERENCES IN FILE CAPLUS (1957 TO DATE)
1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L9 ANSWER 9 OF 11 REGISTRY COPYRIGHT 2003 ACS
RN 3526-75-8 REGISTRY
CN 5-Azulenemethanol, decahydro-.alpha.,.alpha.,3,8-tetramethyl-, (3S,3aS,5R,8S,8aS)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 5-Azulenemethanol, decahydro-.alpha.,.alpha.,3,8-tetramethyl-, [3S-(3.alpha.,3a.beta.,5.alpha.,8.alpha.,8a.beta.)]-
CN Guaian-11-ol (8CI)
OTHER NAMES:
CN **1.alpha.,5.alpha.-Dihydroguaiol**
CN Galbanol
FS STEREOSEARCH
MF C15 H28 O
LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, CHEMLIST
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)

Absolute stereochemistry.

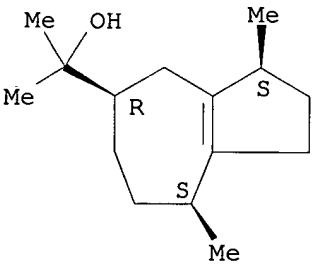


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

6 REFERENCES IN FILE CA (1957 TO DATE)
6 REFERENCES IN FILE CAPLUS (1957 TO DATE)
1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L9 ANSWER 10 OF 11 REGISTRY COPYRIGHT 2003 ACS
RN 489-86-1 REGISTRY
CN 5-Azulenemethanol, 1,2,3,4,5,6,7,8-octahydro-.alpha.,.alpha.,3,8-tetramethyl-, (3S,5R,8S)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 5-Azulenemethanol, 1,2,3,4,5,6,7,8-octahydro-.alpha.,.alpha.,3,8-tetramethyl-, [3S-(3.alpha.,5.alpha.,8.alpha.)]-
CN 5-Azulenemethanol, 1,2,3,4,5.beta.,6,7,8-octahydro-.alpha.,.alpha.,3.alpha.,8.alpha.-tetramethyl- (7CI)
CN Guai-1(5)-en-11-ol (8CI)
CN **Guaiol (6CI)**
OTHER NAMES:
CN **(-)-Guaiol**
CN 3,8-Dimethyl-5-.alpha.-hydroxyisopropyl-.DELTA.9-octahydroazulene
CN Champaca camphor
CN Champacol
CN Guaiac alcohol
FS STEREOSEARCH
MF C15 H26 O
LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CSCHEM, DETHERM*, EMBASE, HODOC*, IPA, MRCK*, NAPRALERT, NIOSHTIC, SPECINFO, TOXCENTER, USPAT2, USPATFULL
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)

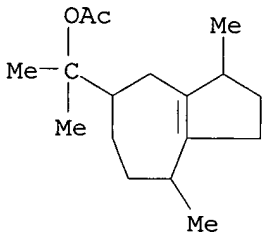
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

391 REFERENCES IN FILE CA (1957 TO DATE)
5 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
400 REFERENCES IN FILE CAPLUS (1957 TO DATE)
11 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L9 ANSWER 11 OF 11 REGISTRY COPYRIGHT 2003 ACS
RN 134-28-1 REGISTRY
CN 5-Azulenemethanol, 1,2,3,4,5,6,7,8-octahydro-.alpha.,.alpha.,3,8-tetramethyl-, acetate, (3S,5R,8S)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 5-Azulenemethanol, 1,2,3,4,5,6,7,8-octahydro-.alpha.,.alpha.,3,8-tetramethyl-, acetate, [3S-(3.alpha.,5.alpha.,8.alpha.)]-
CN 5-Azulenemethanol, 1,2,3,4,5.alpha.,6,7,8-octahydro-.alpha.,.alpha.,3.beta.,8.beta.-tetramethyl-, acetate (8CI)
OTHER NAMES:
CN Guaiac acetate
CN **Guaiol acetate**
CN Guaiyl acetate
DR 17431-48-0
MF C17 H28 O2
LC STN Files: CA, CAPLUS, CHEMCATS, CHEMLIST, CSCHEM, SPECINFO, TOXCENTER
Other Sources: DSL**, EINECS**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

21 REFERENCES IN FILE CA (1957 TO DATE)
21 REFERENCES IN FILE CAPLUS (1957 TO DATE)

=> d his

(FILE 'HOME' ENTERED AT 15:49:40 ON 15 JUL 2003)

FILE 'REGISTRY' ENTERED AT 15:49:46 ON 15 JUL 2003
L1 43 S CEDROL
L2 33 S PATCHOULI
L3 36 S SANTALOL
L4 31 S BISABOLOL
E BISABOLOL
L5 2 S VETIVEROL
L6 30 S SCLAREOL
L7 0 S GLOBUOL
L8 9 S GLOBULOL
L9 11 S GUAIOL

=> file caplus

```
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                        65.50      65.71

FILE 'CAPLUS' ENTERED AT 15:55:44 ON 15 JUL 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)
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FILE COVERS 1907 - 15 Jul 2003  VOL 139 ISS 3
FILE LAST UPDATED: 14 Jul 2003  (20030714/ED)

  This file contains CAS Registry Numbers for easy and accurate
  substance identification.


=> e sleep
E1            1     SLEENOPHENE/BI
E2            1     SLEEO/BI
E3        15616 --> SLEEP/BI
E4            1     SLEEP10/BI
E5            1     SLEEP2/BI
E6            1     SLEEP9ING/BI
E7            1     SLEEPAGE/BI
E8            1     SLEEPDEPRIVED/BI
E9            1     SLEEPED/BI
E10         161     SLEEPER/BI
E11         199     SLEEPERS/BI
E12           4     SLEEPIER/BI

=> s e3
L10       15616 SLEEP/BI

=> e sedative
E1            1     SEDATIVA/BI
E2            1     SEDATIVAE/BI
E3         9549 --> SEDATIVE/BI
E4            1     SEDATIVEACTION/BI
E5            1     SEDATIVEFOR/BI
E6            4     SEDATIVEHYPNOTIC/BI
E7            3     SEDATIVELIKE/BI
E8            3     SEDATIVELY/BI
E9         7525     SEDATIVES/BI
E10           1     SEDATIVESC/BI
E11           1     SEDATIVUM/BI
E12           1     SEDATIVUS/BI

=> s e3-e9
          9549 SEDATIVE/BI
             1 SEDATIVEACTION/BI
             1 SEDATIVEFOR/BI
```

```
             4 SEDATIVEHYPNOTIC/BI
             3 SEDATIVELIKE/BI
             3 SEDATIVELY/BI
          7525 SEDATIVES/BI
L11      12852 (SEDATIVE/BI OR SEDATIVEACTION/BI OR SEDATIVEFOR/BI OR SEDATIVEH
               YPNOTIC/BI OR SEDATIVELIKE/BI OR SEDATIVELY/BI OR SEDATIVES/BI)

=> e relaxation
E1             1     RELAXATIOIN/BI
E2             2     RELAXATIOM/BI
E3        216874 --> RELAXATION/BI
E4             2     RELAXATION1/BI
E5             1     RELAXATION50/BI
E6             1     RELAXATIONA/BI
E7             1     RELAXATIONAAOF/BI
E8          2096     RELAXATIONAL/BI
E9             7     RELAXATIONALLY/BI
E10            1     RELAXATIONAS/BI
E11            1     RELAXATIONAT/BI
E12            1     RELAXATIONATION/BI

=> s e3 or e8
          216874 RELAXATION/BI
            2096 RELAXATIONAL/BI
L12       217668 RELAXATION/BI OR RELAXATIONAL/BI

=> e narcotic
E1             1     NARCOTEINE/BI
E2             1     NARCOTHERAPY/BI
E3          7308 --> NARCOTIC/BI
E4             2     NARCOTICA/BI
E5             7     NARCOTICALLY/BI
E6             1     NARCOTICANTAGONIST/BI
E7             1     NARCOTICDOSE/BI
E8             1     NARCOTICI/BI
E9             1     NARCOTICISM/BI
E10            6     NARCOTICIZED/BI
E11            2     NARCOTICLIKE/BI
E12         5274     NARCOTICS/BI

=> a e3 or e12
A IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> s e3 or e12
           7308 NARCOTIC/BI
           5274 NARCOTICS/BI
L13       10398 NARCOTIC/BI OR NARCOTICS/BI

=> e hypnotic
E1             1     HYPNOTHERAPEUTIC/BI
E2             7     HYPNOTHERAPY/BI
E3          5466 --> HYPNOTIC/BI
E4             1     HYPNOTICA/BI
E5             1     HYPNOTICACTIVITY/BI
E6            22     HYPNOTICALLY/BI
E7             1     HYPNOTICATES/BI
E8             1     HYPNOTICLIKE/BI
E9             1     HYPNOTICO/BI
E10         6371     HYPNOTICS/BI
```

```
E11           1     HYPNOTICSEDATIVES/BI
E12           6     HYPNOTIES/BI

=> s e3 or e10
          5466 HYPNOTIC/BI
          6371 HYPNOTICS/BI
L14       9427 HYPNOTIC/BI OR HYPNOTICS/BI

=> e somulence
E1            1     SOMUKI/BI
E2            1     SOMULA/BI
E3            0 --> SOMULENCE/BI
E4            2     SOMUNCURA/BI
E5            1     SOMUNCURENSIS/BI
E6            1     SOMUNCURICA/BI
E7            1     SOMUNIFERUM/BI
E8            1     SOMUOLENCE/BI
E9            2     SOMV/BI
E10           1     SOMVARSKY/BI
E11           1     SOMVIX/BI
E12           3     SOMW/BI

=> e somul
E1            2     SOMUCH/BI
E2            1     SOMUKI/BI
E3            0 --> SOMUL/BI
E4            1     SOMULA/BI
E5            2     SOMUNCURA/BI
E6            1     SOMUNCURENSIS/BI
E7            1     SOMUNCURICA/BI
E8            1     SOMUNIFERUM/BI
E9            1     SOMUOLENCE/BI
E10           2     SOMV/BI
E11           1     SOMVARSKY/BI
E12           1     SOMVIX/BI

=> e somnia
E1            1     SOMNHCOCF3/BI
E2            1     SOMNI/BI
E3            1 --> SOMNIA/BI
E4            2     SOMNIANS/BI
E5            3     SOMNIARIA/BI
E6            2     SOMNIF/BI
E7           15     SOMNIFACIENT/BI
E8           14     SOMNIFACIENTS/BI
E9            5     SOMNIFAINE/BI
E10           1     SOMNIFEA/BI
E11          84     SOMNIFEN/BI
E12          10     SOMNIFENE/BI

=> e insomnia
E1            1     INSOMMIA/BI
E2            1     INSOMMNIA/BI
E3         1393 --> INSOMNIA/BI
E4           54     INSOMNIAC/BI
E5           82     INSOMNIACS/BI
E6            5     INSOMNIAS/BI
E7            3     INSOMNIC/BI
E8            1     INSOMNIOUS/BI
E9            1     INSOMORPHOUS/BI
E10           8     INSOMUCH/BI
E11           2     INSON/BI
```

```
E12           2     INSONATE/BI

=> s e3-e8
          1393 INSOMNIA/BI
            54 INSOMNIAC/BI
            82 INSOMNIACS/BI
             5 INSOMNIAS/BI
             3 INSOMNIC/BI
             1 INSOMNIOUS/BI
L15       1431 (INSOMNIA/BI OR INSOMNIAC/BI OR INSOMNIACS/BI OR INSOMNIAS/BI
               OR INSOMNIC/BI OR INSOMNIOUS/BI)

=> s l1
L16        717 L1

=> s l2
L17        214 L2

=> s l3
L18        350 L3

=> s l4
L19       1195 L4

=> s l5
L20         80 L5

=> s l6
L21        487 L6

=> s l8
L22        621 L8

=> s l11
          9549 SEDATIVE/BI
             1 SEDATIVEACTION/BI
             1 SEDATIVEFOR/BI
             4 SEDATIVEHYPNOTIC/BI
             3 SEDATIVELIKE/BI
             3 SEDATIVELY/BI
          7525 SEDATIVES/BI
L23      12852 (SEDATIVE/BI OR SEDATIVEACTION/BI OR SEDATIVEFOR/BI OR SEDATIVEH
               YPNOTIC/BI OR SEDATIVELIKE/BI OR SEDATIVELY/BI OR SEDATIVES/BI)

=> s l11
          9549 SEDATIVE/BI
             1 SEDATIVEACTION/BI
             1 SEDATIVEFOR/BI
             4 SEDATIVEHYPNOTIC/BI
             3 SEDATIVELIKE/BI
             3 SEDATIVELY/BI
          7525 SEDATIVES/BI
L24      12852 (SEDATIVE/BI OR SEDATIVEACTION/BI OR SEDATIVEFOR/BI OR SEDATIVEH
               YPNOTIC/BI OR SEDATIVELIKE/BI OR SEDATIVELY/BI OR SEDATIVES/BI)

=> s l9
L25        422 L9

=> s l6 and l10
           487 L6
L26          1 L6 AND L10
```

=> d l26 1 all

L26 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS
AN 1987:611773 CAPLUS
DN 107:211773
TI Behavioral effects of the diterpene sclareol glucol
AU Georgieva, Zh.; Uzunov, P.; Ognyanov, I.; Bantutova, M.
CS Bulg.
SO Problemi na Farmakologiyata (1986), 1, 24-32
CODEN: PRFAE9
DT Journal
LA Russian
CC 1-11 (Pharmacology)
AB In expts. on male mice and rats some behavioral effects of the diterpene sclareol glucol (SG) were studied. SG in higher doses (50, 100 mg/kg) enhanced the sensitivity to touch and pain, shortened the duration of hexobarbital **sleep**, stimulated exploratory behavior in rats in open field, exerted no anti-convulsive effect and increased the mortality from pentylenetetrazole seizures. In higher doses (300, 500, and 1000 mg/kg) SG induced seizures.
ST sclareol glucol behavior nervous system
IT Behavior
Nervous system
(sclareol glucol effect on)
IT **38419-75-9**
RL: PRP (Properties)
(behavioral and nervous systems effects of)

=> FIL REGISTRY

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	67.11	132.82

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.65	-0.65

FILE 'REGISTRY' ENTERED AT 16:04:01 ON 15 JUL 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 14 JUL 2003 HIGHEST RN 548428-18-8
DICTIONARY FILE UPDATES: 14 JUL 2003 HIGHEST RN 548428-18-8

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

=> S 38419-75-9/RN

L27 1 38419-75-9/RN

=> SET NOTICE 1 DISPLAY

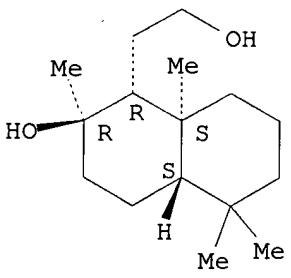
NOTICE SET TO 1 U.S. DOLLAR FOR DISPLAY COMMAND
SET COMMAND COMPLETED

=> D L27 SQIDE 1-

YOU HAVE REQUESTED DATA FROM 1 ANSWERS - CONTINUE? Y/(N):y
THE ESTIMATED COST FOR THIS REQUEST IS 5.63 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N:y

L27 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS
RN **38419-75-9** REGISTRY
CN 1-Naphthaleneethanol, decahydro-2-hydroxy-2,5,5,8a-tetramethyl-, (1R,2R,4aS,8aS)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1-Naphthaleneethanol, decahydro-2-hydroxy-2,5,5,8a-tetramethyl-, [1R-(1.alpha.,2.beta.,4a.beta.,8a.alpha.)]-
OTHER NAMES:
CN 13,14,15,16-Tetranorlabdane-8,12-diol
CN 13,14,15,16-Tetranorlabdane-8.alpha.,12-diol
CN Ambroxdiol
CN AT 1
CN Sclareol glycol
FS STEREOSEARCH
MF C16 H30 O2
LC STN Files: BEILSTEIN*, BIOSIS, CA, CAPLUS, CASREACT, CHEMINFORMRX, DDFU, DRUGU, TOXCENTER, USPATFULL
(*File contains numerically searchable property data)

Absolute stereochemistry. Rotation (-).



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

84 REFERENCES IN FILE CA (1957 TO DATE)
84 REFERENCES IN FILE CAPLUS (1957 TO DATE)

=> SET NOTICE LOGIN DISPLAY

NOTICE SET TO OFF FOR DISPLAY COMMAND
SET COMMAND COMPLETED

=>

```
=> file caplus
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                          ENTRY     SESSION
FULL ESTIMATED COST                                         2.08      134.90

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)              SINCE FILE      TOTAL
                                                          ENTRY     SESSION
CA SUBSCRIBER PRICE                                         0.00       -0.65

FILE 'CAPLUS' ENTERED AT 16:04:27 ON 15 JUL 2003
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COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)
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FILE COVERS 1907 - 15 Jul 2003  VOL 139 ISS 3
FILE LAST UPDATED: 14 Jul 2003  (20030714/ED)

  This file contains CAS Registry Numbers for easy and accurate
  substance identification.


=> d his

     (FILE 'HOME' ENTERED AT 15:49:40 ON 15 JUL 2003)

     FILE 'REGISTRY' ENTERED AT 15:49:46 ON 15 JUL 2003
L1           43 S CEDROL
L2           33 S PATCHOULI
L3           36 S SANTALOL
L4           31 S BISABOLOL
                E BISABOLOL
L5            2 S VETIVEROL
L6           30 S SCLAREOL
L7            0 S GLOBUOL
L8            9 S GLOBULOL
L9           11 S GUAIOL

     FILE 'CAPLUS' ENTERED AT 15:55:44 ON 15 JUL 2003
                E SLEEP
L10       15616 S E3
                E SEDATIVE
L11       12852 S E3-E9
                E RELAXATION
L12      217668 S E3 OR E8
                E NARCOTIC
L13       10398 S E3 OR E12
                E HYPNOTIC
L14        9427 S E3 OR E10
                E SOMULENCE
                E SOMUL
                E SOMNIA
```

```
                E INSOMNIA
L15         1431 S E3-E8
L16          717 S L1
L17          214 S L2
L18          350 S L3
L19         1195 S L4
L20           80 S L5
L21          487 S L6
L22          621 S L8
L23        12852 S L11
L24        12852 S L11
L25          422 S L9
L26            1 S L6 AND L10

     FILE 'REGISTRY' ENTERED AT 16:04:01 ON 15 JUL 2003
L27            1 S 38419-75-9/RN
                 SET NOTICE 1 DISPLAY
                 SET NOTICE LOGIN DISPLAY

     FILE 'CAPLUS' ENTERED AT 16:04:27 ON 15 JUL 2003

=> s l10 and l16
L28            2 L10 AND L16

=> d l28 1-2

L28  ANSWER 1 OF 2  CAPLUS  COPYRIGHT 2003 ACS
AN   2003:132334  CAPLUS
DN   138:158861
TI   Sleep-inducing dentifrices containing menthol and cedrene
     sesquiterpene alcohols
IN   Itano, Morihide; Oshino, Kazushi; Nagashima, Yoshinao; Yata, Sachihiro
PA   Kao Corp., Japan
SO   Jpn. Kokai Tokkyo Koho, 6 pp.
     CODEN: JKXXAF
DT   Patent
LA   Japanese
FAN.CNT 1
     PATENT NO.         KIND  DATE           APPLICATION NO.  DATE
     ---------------    ----  --------       ---------------  --------
PI   JP 2003048827       A2   20030221       JP 2001-234832   20010802
PRAI JP 2001-234832           20010802

L28  ANSWER 2 OF 2  CAPLUS  COPYRIGHT 2003 ACS
AN   2001:597788  CAPLUS
DN   135:170507
TI   Autonomic-controlling agents containing sesquiterpene alcohols
IN   Nagashima, Yoshinao; Sugata, Keiichi; Yada, Yukihiro; Fukuda, Kazuyuki
PA   Kao Corp., Japan
SO   PCT Int. Appl., 48 pp.
     CODEN: PIXXD2
DT   Patent
LA   Japanese
FAN.CNT 1
     PATENT NO.         KIND  DATE           APPLICATION NO.  DATE
     ---------------    ----  --------       ---------------  --------
PI   WO 2001058435       A1   20010816       WO 2001-JP928    20010209
         W:  JP, US
         RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,
             PT, SE, TR
     EP 1170005          A1   20020109       EP 2001-902822   20010209
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
```

```
             IE, FI
     US 2002151600     A1   20021017       US 2001-972887   20011010
PRAI JP 2000-38260     A    20000210
     WO 2001-JP928     W    20010209
RE.CNT  12    THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD
              ALL CITATIONS AVAILABLE IN THE RE FORMAT


=> s l16 an l11
MISSING OPERATOR L16 AN
The search profile that was entered contains terms or
nested terms that are not separated by a logical operator.

=> s l16 and l11
L29           1 L16 AND L11

=> d l29

L29  ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2003 ACS
AN   2001:597788  CAPLUS
DN   135:170507
TI   Autonomic-controlling agents containing sesquiterpene alcohols
IN   Nagashima, Yoshinao; Sugata, Keiichi; Yada, Yukihiro; Fukuda, Kazuyuki
PA   Kao Corp., Japan
SO   PCT Int. Appl., 48 pp.
     CODEN: PIXXD2
DT   Patent
LA   Japanese
FAN.CNT 1
     PATENT NO.        KIND  DATE           APPLICATION NO.  DATE
     ---------------   ----  --------       ---------------  --------
PI   WO 2001058435      A1   20010816       WO 2001-JP928    20010209
         W:  JP, US
         RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,
             PT, SE, TR
     EP 1170005         A1   20020109       EP 2001-902822   20010209
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, FI
     US 2002151600      A1   20021017       US 2001-972887   20011010
PRAI JP 2000-38260      A    20000210
     WO 2001-JP928      W    20010209
RE.CNT  12    THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD
              ALL CITATIONS AVAILABLE IN THE RE FORMAT


=> s l16 and l12
L30           0 L16 AND L12

=> s l16 and l13
L31           0 L16 AND L13

=> s l16 andl14
MISSING OPERATOR L16 ANDL14
The search profile that was entered contains terms or
nested terms that are not separated by a logical operator.

=> s l16 and l14
L32           1 L16 AND L14

=> d l32

L32  ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2003 ACS
```

AN 2001:597788 CAPLUS
DN 135:170507
TI Autonomic-controlling agents containing sesquiterpene alcohols
IN Nagashima, Yoshinao; Sugata, Keiichi; Yada, Yukihiro; Fukuda, Kazuyuki
PA Kao Corp., Japan
SO PCT Int. Appl., 48 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001058435	A1	20010816	WO 2001-JP928	20010209
	W: JP, US				
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR				
	EP 1170005	A1	20020109	EP 2001-902822	20010209
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
	US 2002151600	A1	20021017	US 2001-972887	20011010
PRAI	JP 2000-38260	A	20000210		
	WO 2001-JP928	W	20010209		

RE.CNT 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> s l15 and l16
L33 0 L15 AND L16

=> s l17 and l10
L34 0 L17 AND L10

=> s l17 and l11
L35 0 L17 AND L11

=> s l17 and l13
L36 0 L17 AND L13

=> s l17 and l15
L37 0 L17 AND L15

=> s l18 and l10
L38 0 L18 AND L10

=> s l18 and l13
L39 0 L18 AND L13

=> s l19 and l10
L40 0 L19 AND L10

=> s ll18 and l12
0 LL18
L41 0 LL18 AND L12

=> s l18 and l12
L42 0 L18 AND L12

=> s l19 and l12
L43 1 L19 AND L12

=> d l43

L43 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS
AN 1993:616760 CAPLUS
DN 119:216760
TI Calcium antagonistic properties of the sesquiterpene T-cadinol and related substances: structure-activity studies
AU Zygmunt, P. M.; Larsson, B.; Sterner, O.; Vinge, E.; Hoegestaett, E. D.
CS Dep. Clin. Pharmacol., Univ. Hosp. Lund, Lund, S-22185, Swed.
SO Pharmacology & Toxicology (Oxford, United Kingdom) (1993), 73(1), 3-9
CODEN: PHTOEH; ISSN: 0901-9928
DT Journal
LA English

=> s 43 1 all
215843 43
7600426 1
1664927 ALL
L44 1 43 1 ALL
(43(W)1(W)ALL)

=> d 143 1 all

L43 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS
AN 1993:616760 CAPLUS
DN 119:216760
TI Calcium antagonistic properties of the sesquiterpene T-cadinol and related substances: structure-activity studies
AU Zygmunt, P. M.; Larsson, B.; Sterner, O.; Vinge, E.; Hoegestaett, E. D.
CS Dep. Clin. Pharmacol., Univ. Hosp. Lund, Lund, S-22185, Swed.
SO Pharmacology & Toxicology (Oxford, United Kingdom) (1993), 73(1), 3-9
CODEN: PHTOEH; ISSN: 0901-9928
DT Journal
LA English
CC 1-3 (Pharmacology)
AB The calcium antagonistic properties of (+)-T-cadinol, some of its stereoisomers and related terpenes were investigated in both functional and radioligand binding studies, and the effects were compared with those of the dihydroxypyridine calcium antagonist (.+-.)-nimodipine. In the isolated rat aorta, the terpenes relaxed contractions induced by 60 mM K+ more potently than those induced by phenylephrine. (+)-T-cadinol and its stereoisomers were the most potent among the terpenes to relax K+-induced contractions, whereas they were approx. 10,000 times less potent than (.+-.)-nimodipine in this regard. Binding of the dihydropyridine radioligand [3H]-(+)-PN200-110 was studied on rat cerebral cortical membranes. Displacement and satn. studies indicated that (+)-T-cadinol caused a competitive inhibition of binding. The log Ki values for (+)-T-cadinol and (.+-.)-nimodipine from displacement studies (-4.7 and -9.2) corresponded with the log RC50 values for **relaxation** of K+-contracted rat aortas (-5.0 and -9.0). For the terpenes, there was a significant correlation ($P < 0.001$, rs = 0.89) between displacement of dihydropyridine binding and the ability to relax K+-induced contractions. The structures of three terpenes were chem. modified by blocking hydroxyl groups. The potency of these derivs., as well as the naturally occurring deriv. 2-oxo-T-cadinol, to relax K+-induced contractions was not correlated to the lipophilicity of the compds. Instead, other qualities appear to be of importance for the functional effects. The authors' results suggest that (+)-T-cadinol and related terpenes may represent a new chem. class of calcium antagonists, which interact with dihydropyridine binding sites on the voltage-operated calcium channels.
ST calcium antagonist terpene T cadinol structure
IT Terpenes and Terpenoids, biological studies
RL: BIOL (Biological study)

(calcium antagonism by, structure in relation to)
IT Lipophilicity
(of sesquiterpene T-cadinol and related substances, calcium antagonism in relation to)
IT Ion channel blockers
(calcium, sesquiterpene T-cadinol and related substances as, structure in relation to)
IT Molecular structure-biological activity relationship
(calcium channel-blocking, of sesquiterpene T-cadinol and related substances)
IT Receptors
RL: BIOL (Biological study)
(dihydropyridine, sesquiterpene T-cadinol and related substances binding to, calcium antagonism by, structure in relation to)
IT 481-34-5, (-)-.alpha.-Cadinol 2216-51-5, (-)-Menthol 5937-11-1, (+)-T-Cadinol 19435-97-3 19912-62-0, (-)-T-Muurolol **23089-26-1**, (-)-.alpha.-Bisabolol 53402-16-7 74638-12-3, (-)-Furosardonin A 129058-89-5, (-)-Tremediol 150718-45-9 150718-46-0 150718-47-1
RL: BIOL (Biological study)
(calcium antagonism by, structure in relation to)

=> d his

(FILE 'HOME' ENTERED AT 15:49:40 ON 15 JUL 2003)

FILE 'REGISTRY' ENTERED AT 15:49:46 ON 15 JUL 2003

L1	43	S	CEDROL
L2	33	S	PATCHOULI
L3	36	S	SANTALOL
L4	31	S	BISABOLOL
		E	BISABOLOL
L5	2	S	VETIVEROL
L6	30	S	SCLAREOL
L7	0	S	GLOBUOL
L8	9	S	GLOBULOL
L9	11	S	GUAIOL

FILE 'CAPLUS' ENTERED AT 15:55:44 ON 15 JUL 2003

		E	SLEEP
L10	15616	S	E3
		E	SEDATIVE
L11	12852	S	E3-E9
		E	RELAXATION
L12	217668	S	E3 OR E8
		E	NARCOTIC
L13	10398	S	E3 OR E12
		E	HYPNOTIC
L14	9427	S	E3 OR E10
		E	SOMULENCE
		E	SOMUL
		E	SOMNIA
		E	INSOMNIA
L15	1431	S	E3-E8
L16	717	S	L1
L17	214	S	L2
L18	350	S	L3
L19	1195	S	L4
L20	80	S	L5
L21	487	S	L6
L22	621	S	L8
L23	12852	S	L11

```
L24       12852 S L11
L25         422 S L9
L26           1 S L6 AND L10

     FILE 'REGISTRY' ENTERED AT 16:04:01 ON 15 JUL 2003
L27           1 S 38419-75-9/RN
                SET NOTICE 1 DISPLAY
                SET NOTICE LOGIN DISPLAY

     FILE 'CAPLUS' ENTERED AT 16:04:27 ON 15 JUL 2003
L28           2 S L10 AND L16
L29           1 S L16 AND L11
L30           0 S L16 AND L12
L31           0 S L16 AND L13
L32           1 S L16 AND L14
L33           0 S L15 AND L16
L34           0 S L17 AND L10
L35           0 S L17 AND L11
L36           0 S L17 AND L13
L37           0 S L17 AND L15
L38           0 S L18 AND L10
L39           0 S L18 AND L13
L40           0 S L19 AND L10
L41           0 S LL18 AND L12
L42           0 S L18 AND L12
L43           1 S L19 AND L12
L44           1 S 43 1 ALL

=> s l19 and l15
L45           0 L19 AND L15

=> s l20 and l10
L46           0 L20 AND L10

=> s l20 and l12
L47           0 L20 AND L12

=> s l21 and l10
L48           1 L21 AND L10

=> d 148

L48  ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2003 ACS
AN   1987:611773  CAPLUS
DN   107:211773
TI   Behavioral effects of the diterpene sclareol glucol
AU   Georgieva, Zh.; Uzunov, P.; Ognyanov, I.; Bantutova, M.
CS   Bulg.
SO   Problemi na Farmakologiyata (1986), 1, 24-32
     CODEN: PRFAE9
DT   Journal
LA   Russian


=> d 148 all

L48  ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2003 ACS
AN   1987:611773  CAPLUS
DN   107:211773
TI   Behavioral effects of the diterpene sclareol glucol
AU   Georgieva, Zh.; Uzunov, P.; Ognyanov, I.; Bantutova, M.
CS   Bulg.
```

SO Problemi na Farmakologiyata (1986), 1, 24-32
CODEN: PRFAE9
DT Journal
LA Russian
CC 1-11 (Pharmacology)
AB In expts. on male mice and rats some behavioral effects of the diterpene sclareol glucol (SG) were studied. SG in higher doses (50, 100 mg/kg) enhanced the sensitivity to touch and pain, shortened the duration of hexobarbital **sleep**, stimulated exploratory behavior in rats in open field, exerted no anti-convulsive effect and increased the mortality from pentylenetetrazole seizures. In higher doses (300, 500, and 1000 mg/kg) SG induced seizures.
ST sclareol glucol behavior nervous system
IT Behavior
Nervous system
(sclareol glucol effect on)
IT **38419-75-9**
RL: PRP (Properties)
(behavioral and nervous systems effects of)

```
=> s l22 and l12
L49           0 L22 AND L12

=> s l25 and l10
L50           0 L25 AND L10

=> d his

     (FILE 'HOME' ENTERED AT 15:49:40 ON 15 JUL 2003)

     FILE 'REGISTRY' ENTERED AT 15:49:46 ON 15 JUL 2003
L1           43 S CEDROL
L2           33 S PATCHOULI
L3           36 S SANTALOL
L4           31 S BISABOLOL
                E BISABOLOL
L5            2 S VETIVEROL
L6           30 S SCLAREOL
L7            0 S GLOBUOL
L8            9 S GLOBULOL
L9           11 S GUAIOL

     FILE 'CAPLUS' ENTERED AT 15:55:44 ON 15 JUL 2003
                E SLEEP
L10       15616 S E3
                E SEDATIVE
L11       12852 S E3-E9
                E RELAXATION
L12      217668 S E3 OR E8
                E NARCOTIC
L13       10398 S E3 OR E12
                E HYPNOTIC
L14        9427 S E3 OR E10
                E SOMULENCE
                E SOMUL
                E SOMNIA
                E INSOMNIA
L15        1431 S E3-E8
L16         717 S L1
L17         214 S L2
L18         350 S L3
```

```
L19         1195 S L4
L20           80 S L5
L21          487 S L6
L22          621 S L8
L23        12852 S L11
L24        12852 S L11
L25          422 S L9
L26            1 S L6 AND L10

     FILE 'REGISTRY' ENTERED AT 16:04:01 ON 15 JUL 2003
L27            1 S 38419-75-9/RN
                 SET NOTICE 1 DISPLAY
                 SET NOTICE LOGIN DISPLAY

     FILE 'CAPLUS' ENTERED AT 16:04:27 ON 15 JUL 2003
L28            2 S L10 AND L16
L29            1 S L16 AND L11
L30            0 S L16 AND L12
L31            0 S L16 AND L13
L32            1 S L16 AND L14
L33            0 S L15 AND L16
L34            0 S L17 AND L10
L35            0 S L17 AND L11
L36            0 S L17 AND L13
L37            0 S L17 AND L15
L38            0 S L18 AND L10
L39            0 S L18 AND L13
L40            0 S L19 AND L10
L41            0 S LL18 AND L12
L42            0 S L18 AND L12
L43            1 S L19 AND L12
L44            1 S 43 1 ALL
L45            0 S L19 AND L15
L46            0 S L20 AND L10
L47            0 S L20 AND L12
L48            1 S L21 AND L10
L49            0 S L22 AND L12
L50            0 S L25 AND L10

=> e nervious
E1             1     NERVIOSA/BI
E2             1     NERVIOSO/BI
E3             3 --> NERVIOUS/BI
E4             1     NERVIS/BI
E5             6     NERVISTEROL/BI
E6             1     NERVIUM/BI
E7             1     NERVNATA/BI
E8             5     NERVNAYA/BI
E9             1     NERVNOE/BI
E10            2     NERVNOGO/BI
E11           29     NERVNOI/BI
E12            1     NERVNOMYSHECHNOGO/BI

=> e nervous
E1             2     NERVOUR/BI
E2             1     NERVOURSE/BI
E3        163958 --> NERVOUS/BI
E4             1     NERVOUSDEPRESSANT/BI
E5             4     NERVOUSE/BI
E6            27     NERVOUSLY/BI
E7           254     NERVOUSNESS/BI
E8             1     NERVOUSSVSTEM/BI
```

```
E9            7     NERVOUSSYSTEM/BI
E10           1     NERVOUUS/BI
E11           1     NERVOUW/BI
E12           2     NERVOV/BI

=> s e3-e7
        163958 NERVOUS/BI
             1 NERVOUSDEPRESSANT/BI
             4 NERVOUSE/BI
            27 NERVOUSLY/BI
           254 NERVOUSNESS/BI
L51     164186 (NERVOUS/BI OR NERVOUSDEPRESSANT/BI OR NERVOUSE/BI OR NERVOUSLY/
               BI OR NERVOUSNESS/BI)

=> s l51 and l16
L52           1 L51 AND L16

=> d l52 all

L52  ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2003 ACS
AN   2001:597788  CAPLUS
DN   135:170507
TI   Autonomic-controlling agents containing sesquiterpene alcohols
IN   Nagashima, Yoshinao; Sugata, Keiichi; Yada, Yukihiro; Fukuda, Kazuyuki
PA   Kao Corp., Japan
SO   PCT Int. Appl., 48 pp.
     CODEN: PIXXD2
DT   Patent
LA   Japanese
IC   ICM  A61K031-045
     ICS  A61K007-46; A61P025-02; A61P025-20
CC   62-5 (Essential Oils and Cosmetics)
     Section cross-reference(s): 17, 63
FAN.CNT 1
     PATENT NO.        KIND  DATE          APPLICATION NO.  DATE
     ---------------   ----  --------      ---------------  --------
PI   WO 2001058435      A1   20010816      WO 2001-JP928    20010209
         W:  JP, US
         RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,
             PT, SE, TR
     EP 1170005         A1   20020109      EP 2001-902822   20010209
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, FI
     US 2002151600      A1   20021017      US 2001-972887   20011010
PRAI JP 2000-38260      A    20000210
     WO 2001-JP928      W    20010209
AB   Disclosed are autonomic-controlling agents exerting sedative,
     sleep-inducing, and stress-relieving effects on humans regardless of
     differences among individuals in the sensitivity or preference to smell.
     These agents contain as the main active ingredient sesquiterpene alcs.
     having a b.p. of .gtoreq. 250.degree. under atm. pressure, in particular,
     cedrol.
ST   sesquiterpene alc autonomic control sedative; cedrol hypnotic stress
     relief aroma therapy
IT   Hypnotics and Sedatives
        (autonomic-controlling agents contg. sesquiterpene alcs.)
IT   Candy
        (autonomic-controlling agents contg. sesquiterpene alcs. in)
IT   Nervous system
        (autonomic; autonomic-controlling agents contg. sesquiterpene alcs.)
IT   Cosmetics
        (creams, massage; autonomic-controlling agents contg. sesquiterpene
```

alcs. in)
IT Medical goods
(face masks contg. cedrol; autonomic-controlling agents contg. sesquiterpene alcs. in)
IT Sesquiterpenes
RL: BUU (Biological use, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(hydroxy; autonomic-controlling agents contg. sesquiterpene alcs.)
IT Stress, animal
(relief; autonomic-controlling agents contg. sesquiterpene alcs.)
IT Odor and Odorous substances
(therapy; autonomic-controlling agents contg. sesquiterpene alcs.)
IT **77-53-2**, Cedrol
RL: BUU (Biological use, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(autonomic-controlling agents contg. sesquiterpene alcs.)
RE.CNT 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD
RE
(1) American Chemical Society; Database CAPLUS on STN
(2) American Chemical Society; Database CAPLUS on STN
(3) American Chemical Society; Database CAPLUS on STN
(4) American Chemical Society; Database CAPLUS on STN
(5) International Flaors And Fragrances Inc; US 4670264 A CAPLUS
(6) International Flaors And Fragrances Inc; US 4670463 A CAPLUS
(7) International Flaors And Fragrances Inc; US 4671959 A CAPLUS
(8) International Flaors And Fragrances Inc; JP 61267526 A CAPLUS
(9) International Flaors And Fragrances Inc; EP 183436 A2 1986 CAPLUS
(10) Kobayashi Pharmaceutical Co Ltd; JP 1025245 A 1998
(11) Narisu Keshohin K K; JP 11343497 A 1999 CAPLUS
(12) Sawada, K; Nippon Aji to Nioi Gakkaishi 1999, V6(3), P465 CAPLUS

=> d his

(FILE 'HOME' ENTERED AT 15:49:40 ON 15 JUL 2003)

FILE 'REGISTRY' ENTERED AT 15:49:46 ON 15 JUL 2003
L1 43 S CEDROL
L2 33 S PATCHOULI
L3 36 S SANTALOL
L4 31 S BISABOLOL
E BISABOLOL
L5 2 S VETIVEROL
L6 30 S SCLAREOL
L7 0 S GLOBUOL
L8 9 S GLOBULOL
L9 11 S GUAIOL

FILE 'CAPLUS' ENTERED AT 15:55:44 ON 15 JUL 2003
E SLEEP
L10 15616 S E3
E SEDATIVE
L11 12852 S E3-E9
E RELAXATION
L12 217668 S E3 OR E8
E NARCOTIC
L13 10398 S E3 OR E12
E HYPNOTIC
L14 9427 S E3 OR E10
E SOMULENCE
E SOMUL
E SOMNIA

```
                E INSOMNIA
L15         1431 S E3-E8
L16          717 S L1
L17          214 S L2
L18          350 S L3
L19         1195 S L4
L20           80 S L5
L21          487 S L6
L22          621 S L8
L23        12852 S L11
L24        12852 S L11
L25          422 S L9
L26            1 S L6 AND L10

     FILE 'REGISTRY' ENTERED AT 16:04:01 ON 15 JUL 2003
L27            1 S 38419-75-9/RN
                 SET NOTICE 1 DISPLAY
                 SET NOTICE LOGIN DISPLAY

     FILE 'CAPLUS' ENTERED AT 16:04:27 ON 15 JUL 2003
L28            2 S L10 AND L16
L29            1 S L16 AND L11
L30            0 S L16 AND L12
L31            0 S L16 AND L13
L32            1 S L16 AND L14
L33            0 S L15 AND L16
L34            0 S L17 AND L10
L35            0 S L17 AND L11
L36            0 S L17 AND L13
L37            0 S L17 AND L15
L38            0 S L18 AND L10
L39            0 S L18 AND L13
L40            0 S L19 AND L10
L41            0 S LL18 AND L12
L42            0 S L18 AND L12
L43            1 S L19 AND L12
L44            1 S 43 1 ALL
L45            0 S L19 AND L15
L46            0 S L20 AND L10
L47            0 S L20 AND L12
L48            1 S L21 AND L10
L49            0 S L22 AND L12
L50            0 S L25 AND L10
                 E NERVIOUS
                 E NERVOUS
L51       164186 S E3-E7
L52            1 S L51 AND L16

=> file reg
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                   ENTRY    SESSION
FULL ESTIMATED COST                               38.04     172.94

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)    SINCE FILE      TOTAL
                                                   ENTRY    SESSION
CA SUBSCRIBER PRICE                               -1.95      -2.60

FILE 'REGISTRY' ENTERED AT 16:16:22 ON 15 JUL 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 14 JUL 2003 HIGHEST RN 548428-18-8
DICTIONARY FILE UPDATES: 14 JUL 2003 HIGHEST RN 548428-18-8

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details: http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

```
=> e farnesol
E1            6     FARNESOIC/BI
E2           29     FARNESOID/BI
E3           75 --> FARNESOL/BI
E4            1     FARNESOLATE/BI
E5            1     FARNESOLIC/BI
E6            1     FARNESONE/BI
E7            1     FARNESONITRILE/BI
E8            1     FARNESOXY/BI
E9            5     FARNESOYL/BI
E10           1     FARNESOYLHYDRO/BI
E11           1     FARNESOYLHYDROXAMIC/BI
E12           2     FARNESOYLPENICILL/BI

=> s e3
L53          75 FARNESOL/BI

=> e eugenol
E1            2     EUGENODIL/BI
E2            2     EUGENODILOL/BI
E3          165 --> EUGENOL/BI
E4            1     EUGENOLATE/BI
E5            1     EUGENOLATO/BI
E6            1     EUGENOLGLYC/BI
E7            1     EUGENOLGLYCOL/BI
E8            1     EUGENOLGLYCOLIC/BI
E9            1     EUGENOLOL/BI
E10           1     EUGENON/BI
E11           1     EUGENONE/BI
E12           1     EUGENOXIDE/BI

=> s e3
L54         165 EUGENOL/BI

=> s geranyl linalool
          1021 GERANYL
            92 LINALOOL
L55          4 GERANYL LINALOOL
                 (GERANYL(W)LINALOOL)

=> e cedrenol
E1            1     CEDRENEDICARBOXYLIC/BI
E2            1     CEDRENIC/BI
E3            9 --> CEDRENOL/BI
```

```
E4            2     CEDRENON/BI
E5            2     CEDRENONE/BI
E6            1     CEDRENYL/BI
E7            1     CEDRI/BI
E8            1     CEDRIC/BI
E9            8     CEDRIN/BI
E10           1     CEDRINOSIDE/BI
E11           1     CEDRIRET/BI
E12           7     CEDRO/BI

=> s e3
L56           9 CEDRENOL/BI

=> e isopytol
E1            1     ISOPYTHALDINE/BI
E2            1     ISOPYTHALINE/BI
E3            0 --> ISOPYTOL/BI
E4            1     ISOQIN/BI
E5            1     ISOQINOL/BI
E6            1     ISOQINOLINE/BI
E7            1     ISOQU/BI
E8            2     ISOQUADR/BI
E9            2     ISOQUADRONE/BI
E10           2     ISOQUASSIN/BI
E11           2     ISOQUASSINIC/BI
E12           1     ISOQUATER/BI

=> e isophytol
E1           10     ISOPHYT/BI
E2            1     ISOPHYTO/BI
E3            6 --> ISOPHYTOL/BI
E4            1     ISOPHYTOLACCAGENIN/BI
E5            1     ISOPHYTOLACCINIC/BI
E6            1     ISOPHYTOSPHINGO/BI
E7            1     ISOPHYTOSPHINGOSINE/BI
E8            4     ISOPHYTYL/BI
E9            4     ISOPI/BI
E10           2     ISOPICHIEREN/BI
E11           2     ISOPICHIERENOL/BI
E12           1     ISOPICHIERENYL/BI

=> s e3
L57           6 ISOPHYTOL/BI

=> e nerolidol
E1            1     NEROLIDI/BI
E2            1     NEROLIDIOL/BI
E3           41 --> NEROLIDOL/BI
E4            8     NEROLIDYL/BI
E5            1     NEROLIDYLCATECH/BI
E6            1     NEROLIDYLCATECHOL/BI
E7            4     NEROLIN/BI
E8            1     NEROLINE/BI
E9            1     NEROLIT/BI
E10           2     NEROLOA/BI
E11           1     NERONE/BI
E12           1     NERONIN/BI

=> s e3
L58          41 NEROLIDOL/BI

=> file caplus
```

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	32.74	205.68

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-2.60

FILE 'CAPLUS' ENTERED AT 16:21:24 ON 15 JUL 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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FILE COVERS 1907 - 15 Jul 2003 VOL 139 ISS 3
FILE LAST UPDATED: 14 Jul 2003 (20030714/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

```
=> s l56 and l10
            90 L56
L59          1 L56 AND L10

=> d l59 all
```

L59 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS
AN 2003:132334 CAPLUS
DN 138:158861
TI **Sleep**-inducing dentifrices containing menthol and cedrene sesquiterpene alcohols
IN Itano, Morihide; Oshino, Kazushi; Nagashima, Yoshinao; Yata, Sachihiro
PA Kao Corp., Japan
SO Jpn. Kokai Tokkyo Koho, 6 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
IC ICM A61K031-045
ICS A61P025-20; A61P025-26
CC 63-6 (Pharmaceuticals)
Section cross-reference(s): 62
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 2003048827	A2	20030221	JP 2001-234832	20010802
PRAI JP 2001-234832		20010802		

AB The dentifrices contain (A) menthol (I) and (B) cedrene sesquiterpene alcs. such as cedrol or cedrenol at (A)/(B) wt. ratio 1:0.01-10. The dentifrices show **sleep**-inducing effect because cedrene sesquiterpene alcs. suppress awakening effect of menthol. The cedrene sesquiterpene alcs. do not inhibit awakening effect of menthol in a

parasympathicotonic state such as a time just after awakening. A dentifrice contg. l-I 0.3, peppermint oil 0.2, spearmint oil 0.2, cedrol 0.004, sorbitol 30.0, glycerin 18.0, CaCO3 15.0, SiO2 7.5, Na lauryl sulfate 1.2, CM-cellulose 1.2, propylene glycol 0.5%, and H2O balance significantly shortened time for falling asleep.

ST **sleep** inducing dentifrice menthol cedrene sesquiterpene alc; cedrol suppression menthol awakening effect **sleep** inducing dentifrice

IT Sesquiterpenes
RL: BSU (Biological study, unclassified); COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(hydroxy, cedrene; **sleep**-inducing dentifrices contg. menthol and cedrene sesquiterpene alcs. to suppress awakening effect of menthol)

IT Essential oils
RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(peppermint, menthol-contg.; **sleep**-inducing dentifrices contg. menthol and cedrene sesquiterpene alcs. to suppress awakening effect of menthol)

IT Dentifrices
Human
Sleep
(**sleep**-inducing dentifrices contg. menthol and cedrene sesquiterpene alcs. to suppress awakening effect of menthol)

IT Essential oils
RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(spearmint, menthol-contg.; **sleep**-inducing dentifrices contg. menthol and cedrene sesquiterpene alcs. to suppress awakening effect of menthol)

IT 77-53-2, Cedrol **28231-03-0**, Cedrenol
RL: BSU (Biological study, unclassified); COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(**sleep**-inducing dentifrices contg. menthol and cedrene sesquiterpene alcs. to suppress awakening effect of menthol)

IT 1490-04-6, Menthol 2216-51-5
RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(**sleep**-inducing dentifrices contg. menthol and cedrene sesquiterpene alcs. to suppress awakening effect of menthol)

```
=> s l56 and l12
            90 L56
L60          0 L56 AND L12

=> s l56 and l15
            90 L56
L61          0 L56 AND L15

=> s l56
L62         90 L56

=> s ls l62 and l10
MISSING OPERATOR LS L62
The search profile that was entered contains terms or
nested terms that are not separated by a logical operator.

=> s l62 and l10
L63          1 L62 AND L10
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=> d l63

L63 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS
AN 2003:132334 CAPLUS
DN 138:158861
TI **Sleep**-inducing dentifrices containing menthol and cedrene sesquiterpene alcohols
IN Itano, Morihide; Oshino, Kazushi; Nagashima, Yoshinao; Yata, Sachihiro
PA Kao Corp., Japan
SO Jpn. Kokai Tokkyo Koho, 6 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2003048827	A2	20030221	JP 2001-234832	20010802
PRAI	JP 2001-234832		20010802		

=> s l62 and l12
L64 0 L62 AND L12

=> s l53
L65 3275 L53

=> s l65 and l10
L66 1 L65 AND L10

=> d l66

L66 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS
AN 1973:24110 CAPLUS
DN 78:24110
TI Farnesol, a psychosedative and spasmolytic compound
AU Binet, L.; Binet, P.; Miocque, M.; Morin, H.; Pechery, C.; Roux, M.; Bernier, A.; Rinjard, P.; Godon, M.
CS Fac. Sci. Pharm. Biol., Paris, Fr.
SO Therapie (1972), 27(5), 893-905
CODEN: THERAP; ISSN: 0040-5957
DT Journal
LA French

=> d l66 1 all

L66 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS
AN 1973:24110 CAPLUS
DN 78:24110
TI Farnesol, a psychosedative and spasmolytic compound
AU Binet, L.; Binet, P.; Miocque, M.; Morin, H.; Pechery, C.; Roux, M.; Bernier, A.; Rinjard, P.; Godon, M.
CS Fac. Sci. Pharm. Biol., Paris, Fr.
SO Therapie (1972), 27(5), 893-905
CODEN: THERAP; ISSN: 0040-5957
DT Journal
LA French
CC 1-5 (Pharmacodynamics)
AB When given i.v. or orally at .geq.100 mg/kg, synthetic farnesol [**4602-84-0**] (contg. a mixt. of stereoisomers) was a psychosedative in mice and rats. Except at high doses, farnesol did not inhibit psychomotor reactions (defense reflex), but it lowered the response to

psychic stimuli such as curiosity and caffeine-induced excitation. Farnesol did not cause catalepsy, nor did it antagonize pentetrazole-induced convulsion. It prolonged barbiturate **sleep** without itself being a hypnotic. Farnesol also had a musculotropic-type spasmolytic action on the isolated rat intestine and guinea pig sphincter of Oddi contracted by acetylcholine, BaCl2, histamine, or serotonin.

ST farnesol sedative spasmolytic; muscle relaxant farnesol; tranquilizer farnesol

IT Muscle relaxants
Tranquilizers
(farnesol)

IT 58-08-2, biological studies
RL: BIOL (Biological study)
(excitation from, farnesol inhibition of)

IT **4602-84-0**
RL: BIOL (Biological study)
(sedative and spasmolytic)

IT 76-74-4
RL: BIOL (Biological study)
(**sleep** from, farnesol potentiation of)

=> s l65 and l12
L67 9 L65 AND L12

=> d 167 1-9

L67 ANSWER 1 OF 9 CAPLUS COPYRIGHT 2003 ACS
AN 2001:459531 CAPLUS
DN 135:368270
TI Membrane properties of sodium 2- and 6-(poly)prenyl-substituted polyprenyl phosphates
AU Takajo, Saho; Nagano, Hajime; Dannenmuller, Olivier; Ghosh, Sangita; Marie Albrecht, Anne; Nakatani, Yoichi; Ourisson, Guy
CS Department of Chemistry, Faculty of Science, Ochanomizu University, Otsuka, Bunkyo-ku, Tokyo, 112-8610, Japan
SO New Journal of Chemistry (2001), 25(7), 917-929
CODEN: NJCHE5; ISSN: 1144-0546
PB Royal Society of Chemistry
DT Journal
LA English
RE.CNT 72 THERE ARE 72 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L67 ANSWER 2 OF 9 CAPLUS COPYRIGHT 2003 ACS
AN 1998:511778 CAPLUS
DN 129:254789
TI Improvement of nitrergic **relaxation** by farnesol of the sphincter of Oddi from hypercholesterolemic rabbits
AU Szilvassy, Zoltan; Sari, Reka; Nemeth, Jozsef; Nagy, Istvan; Csati, Sandor; Lonovics, Janos
CS 1st Department Medicine, Albert Szent-Gyorgyi Medical University Szeged, Szeged, Hung.
SO European Journal of Pharmacology (1998), 353(1), 75-78
CODEN: EJPHAZ; ISSN: 0014-2999
PB Elsevier Science B.V.
DT Journal
LA English
RE.CNT 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L67 ANSWER 3 OF 9 CAPLUS COPYRIGHT 2003 ACS

AN 1995:711214 CAPLUS
DN 123:107919
TI Initiation of biosynthesis in cis polyisoprenes
AU Tanaka, Yasuyuki; Kawahara, Seiichi; Aik-Hwee, Eng; Shiba, Kenichi; Ohya, Norimasa
CS Fac. Technol., Tokyo Univ. Agric. Technol., Koganei, 184, Japan
SO Phytochemistry (1995), 39(4), 779-84
CODEN: PYTCAS; ISSN: 0031-9422
PB Elsevier
DT Journal
LA English

L67 ANSWER 4 OF 9 CAPLUS COPYRIGHT 2003 ACS
AN 1995:704229 CAPLUS
DN 123:228534
TI Carbon-13 NMR study of farnesol, farnesyl acetate and farnesal stereoisomers: chemical shift assignment using lanthanide induced shifts
AU Bradesi, Pascale; Tomi, Felix; Casanova, Joseph
CS Lab. Helioenergetique, Univ. Corse, Ajaccio, 20000, Fr.
SO Canadian Journal of Applied Spectroscopy (1995), 40(3), 76-81
CODEN: CJSPEM; ISSN: 1183-7306
PB Polyscience Publications, Inc.
DT Journal
LA English

L67 ANSWER 5 OF 9 CAPLUS COPYRIGHT 2003 ACS
AN 1995:15887 CAPLUS
DN 122:49876
TI Mechanism of the biosynthesis of farnesyl diphosphate. Changes in the structure of geranyl diphosphate during the chain elongation process
AU Hiraga, Y.; Ito, D. I.; Takano, T.; Sayo, T.; Ohta, S.; Suga, T.
CS Fac. Sci., Hiroshima Univ., Japan
SO Tennen Yuki Kagobutsu Toronkai Koen Yoshishu (1993), 35th, 337-44
CODEN: TYKYDS
DT Journal
LA English/Japanese

L67 ANSWER 6 OF 9 CAPLUS COPYRIGHT 2003 ACS
AN 1990:174389 CAPLUS
DN 112:174389
TI Nuclear magnetic resonance studies of polyisoprenols in model membranes
AU Knudsen, Mark J.; Troy, Frederic A.
CS Sch. Med., Univ. California, Davis, CA, 95616, USA
SO Chemistry and Physics of Lipids (1989), 51(3-4), 205-12
CODEN: CPLIA4; ISSN: 0009-3084
DT Journal
LA English

L67 ANSWER 7 OF 9 CAPLUS COPYRIGHT 2003 ACS
AN 1985:591806 CAPLUS
DN 103:191806
TI Deuterium NMR investigation of the organization and dynamics of polyisoprenols in membranes
AU De Ropp, Jeffrey S.; Troy, Frederic A.
CS Sch. Med., Univ. California, Davis, CA, 95616, USA
SO Journal of Biological Chemistry (1985), 260(29), 15669-74
CODEN: JBCHA3; ISSN: 0021-9258
DT Journal
LA English

L67 ANSWER 8 OF 9 CAPLUS COPYRIGHT 2003 ACS
AN 1985:200582 CAPLUS

DN 102:200582
TI Direct detection of solanesol in tobacco by proton and carbon-13 magic angle spinning NMR
AU Wooten, Jan B.
CS Philip Morris Res. Cent., Richmond, VA, 23261, USA
SO Journal of Agricultural and Food Chemistry (1985), 33(3), 419-25
CODEN: JAFCAU; ISSN: 0021-8561
DT Journal
LA English

L67 ANSWER 9 OF 9 CAPLUS COPYRIGHT 2003 ACS
AN 1984:205310 CAPLUS
DN 100:205310
TI Chemical synthesis and deuterium NMR investigations of polyisoprenols: dynamics in model membranes
AU De Ropp, Jeffrey S.; Troy, Frederic A.
CS Sch. Med., Univ. California, Davis, CA, 95616, USA
SO Biochemistry (1984), 23(12), 2691-5
CODEN: BICHAW; ISSN: 0006-2960
DT Journal
LA English

=> d his

(FILE 'HOME' ENTERED AT 15:49:40 ON 15 JUL 2003)

FILE 'REGISTRY' ENTERED AT 15:49:46 ON 15 JUL 2003
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L2 33 S PATCHOULI
L3 36 S SANTALOL
L4 31 S BISABOLOL
E BISABOLOL
L5 2 S VETIVEROL
L6 30 S SCLAREOL
L7 0 S GLOBUOL
L8 9 S GLOBULOL
L9 11 S GUAIOL

FILE 'CAPLUS' ENTERED AT 15:55:44 ON 15 JUL 2003
E SLEEP
L10 15616 S E3
E SEDATIVE
L11 12852 S E3-E9
E RELAXATION
L12 217668 S E3 OR E8
E NARCOTIC
L13 10398 S E3 OR E12
E HYPNOTIC
L14 9427 S E3 OR E10
E SOMULENCE
E SOMUL
E SOMNIA
E INSOMNIA
L15 1431 S E3-E8
L16 717 S L1
L17 214 S L2
L18 350 S L3
L19 1195 S L4
L20 80 S L5
L21 487 S L6
L22 621 S L8

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L23         12852 S L11
L24         12852 S L11
L25           422 S L9
L26             1 S L6 AND L10

     FILE 'REGISTRY' ENTERED AT 16:04:01 ON 15 JUL 2003
L27             1 S 38419-75-9/RN
                  SET NOTICE 1 DISPLAY
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L28             2 S L10 AND L16
L29             1 S L16 AND L11
L30             0 S L16 AND L12
L31             0 S L16 AND L13
L32             1 S L16 AND L14
L33             0 S L15 AND L16
L34             0 S L17 AND L10
L35             0 S L17 AND L11
L36             0 S L17 AND L13
L37             0 S L17 AND L15
L38             0 S L18 AND L10
L39             0 S L18 AND L13
L40             0 S L19 AND L10
L41             0 S LL18 AND L12
L42             0 S L18 AND L12
L43             1 S L19 AND L12
L44             1 S 43 1 ALL
L45             0 S L19 AND L15
L46             0 S L20 AND L10
L47             0 S L20 AND L12
L48             1 S L21 AND L10
L49             0 S L22 AND L12
L50             0 S L25 AND L10
                  E NERVIOUS
                  E NERVOUS
L51        164186 S E3-E7
L52             1 S L51 AND L16

     FILE 'REGISTRY' ENTERED AT 16:16:22 ON 15 JUL 2003
                  E FARNESOL
L53            75 S E3
                  E EUGENOL
L54           165 S E3
L55             4 S GERANYL LINALOOL
                  E CEDRENOL
L56             9 S E3
                  E ISOPYTOL
                  E ISOPHYTOL
L57             6 S E3
                  E NEROLIDOL
L58            41 S E3

     FILE 'CAPLUS' ENTERED AT 16:21:24 ON 15 JUL 2003
L59             1 S L56 AND L10
L60             0 S L56 AND L12
L61             0 S L56 AND L15
L62            90 S L56
L63             1 S L62 AND L10
L64             0 S L62 AND L12
L65          3275 S L53
L66             1 S L65 AND L10
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L67           9 S L65 AND L12

=> s l65 and l13
L68           0 L65 AND L13

=> s l65 and l15
L69           0 L65 AND L15

=> s l54
L70        8961 L54

=> s l70 and l10
L71           8 L70 AND L10

=> d l71 1-8

L71  ANSWER 1 OF 8  CAPLUS  COPYRIGHT 2003 ACS
AN   2002:555449  CAPLUS
DN   137:109483
TI   Preparation of alanine 2,6-dialkoxyphenyl ester derivatives as hypnotics
IN   Hamilton, Niall Morton; Bennett, David Jonathan
PA   Akzo Nobel N.V., Neth.
SO   PCT Int. Appl., 39 pp.
     CODEN: PIXXD2
DT   Patent
LA   English
FAN.CNT 1
     PATENT NO.         KIND  DATE          APPLICATION NO.  DATE
     ---------------    ----  --------      ---------------  --------
PI   WO 2002057218       A1   20020725      WO 2002-EP994    20020117
         W:  AE, AG, AL, AU, BA, BB, BG, BR, BZ, CA, CN, CO, CR, CU, CZ, DM,
             DZ, EC, EE, GD, GE, HR, HU, ID, IL, IN, IS, JP, KP, KR, LC, LK,
             LR, LT, LV, MA, MG, MK, MN, MX, MZ, NO, NZ, PH, PL, RO, RU, SG,
             SI, SK, SL, TR, TT, UA, US, UZ, VN, YU, ZA, AM, AZ, BY, KG, KZ,
             MD, RU, TJ, TM
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH,
             CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR,
             BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
PRAI EP 2001-200195    A    20010119
OS   MARPAT 137:109483
RE.CNT  2     THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
              ALL CITATIONS AVAILABLE IN THE RE FORMAT

L71  ANSWER 2 OF 8  CAPLUS  COPYRIGHT 2003 ACS
AN   1998:169475  CAPLUS
DN   128:248580
TI   Association of NO synthase inhibitors with trappers of reactive oxygen
     species
IN   Chabrier De Lassauniere, Pierre-Etienne; Bigg, Denis
PA   Societe De Conseils De Recherches Et D'applications Scientifiques
     (S.C.R.A.S, Fr.; Chabrier De Lassauniere, Pierre-Etienne; Bigg, Denis
SO   PCT Int. Appl., 22 pp.
     CODEN: PIXXD2
DT   Patent
LA   French
FAN.CNT 1
     PATENT NO.         KIND  DATE          APPLICATION NO.  DATE
     ---------------    ----  --------      ---------------  --------
PI   WO 9809653          A1   19980312      WO 1997-FR1567   19970905
         W:  AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE,
             DK, EE, ES, FI, GB, GE, GH, HU, ID, IL, IS, JP, KE, KG, KP, KR,
             KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ,
```

PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG

	FR 2753098	A1	19980313	FR 1996-10875	19960906
	FR 2753098	B1	19981127		
	AU 9742111	A1	19980326	AU 1997-42111	19970905
	AU 734296	B2	20010607		
	EP 939654	A1	19990908	EP 1997-940183	19970905
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
	NZ 334597	A	20001027	NZ 1997-334597	19970905
	JP 2000517336	T2	20001226	JP 1998-512314	19970905
	RU 2174844	C2	20011020	RU 1999-106792	19970905
	US 6297281	B1	20011002	US 1999-254254	19990302
	NO 9901100	A	19990505	NO 1999-1100	19990305
PRAI	FR 1996-10875	A	19960906		
	WO 1997-FR1567	W	19970905		

RE.CNT 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L71 ANSWER 3 OF 8 CAPLUS COPYRIGHT 2003 ACS
AN 1996:287269 CAPLUS
DN 125:1102
TI Synthesis and pharmacological activity of a eugenol derivative
AU Costa, J. A.; Oliveira, R. A. G.; Barbosa, J. M.; Souza Brito, A. R. M.
CS Lab. Tecnologia Farmaceutica, UFPb, Joao Pessoa, Brazil
SO Revista Brasileira de Farmacia (1994), 75(2), 40-5
CODEN: RBFAAH; ISSN: 0370-372X
PB Associacao Brasileira de Farmaceuticos
DT Journal
LA Portuguese

L71 ANSWER 4 OF 8 CAPLUS COPYRIGHT 2003 ACS
AN 1990:491283 CAPLUS
DN 113:91283
TI Inhibition and induction of hepatic mixed function oxidase by phenylpropanoids from the seeds of Myristica fragrans
AU Shin, Kuk Hyun; Woo, Won Sick
CS Nat. Prod. Res. Inst., Seoul Natl. Univ., Seoul, 110-460, S. Korea
SO Han'guk Saenghwa Hakhoechi (1990), 23(1), 122-7
CODEN: KBCJAK; ISSN: 0368-4881
DT Journal
LA English

L71 ANSWER 5 OF 8 CAPLUS COPYRIGHT 2003 ACS
AN 1989:225383 CAPLUS
DN 110:225383
TI Methyl eugenol: laboratory evaluation in animals
AU Barbosa, P. P. P.; Teixeira, J. R. M.; Melo, M. F. B.; Gusmao, Q. M. W. B.
CS Esc. Cienc. Med., Univ. Fed. Alagoas, Alagoas, Brazil
SO Revista Brasileira de Anestesiologia (1988), 38(6), 393-7
CODEN: RBANAV; ISSN: 0034-7094
DT Journal
LA Portuguese

L71 ANSWER 6 OF 8 CAPLUS COPYRIGHT 2003 ACS
AN 1982:504098 CAPLUS
DN 97:104098
TI The pharmacological effects of a ligroin extract of nutmeg (Myristica fragrans)

AU Sherry, C. J.; Ray, L. E.; Herron, R. E.
CS Dep. Biol., Texas A and M Univ., College Station, TX, 77843, USA
SO Journal of Ethnopharmacology (1982), 6(1), 61-6
CODEN: JOETD7; ISSN: 0378-8741
DT Journal
LA English

L71 ANSWER 7 OF 8 CAPLUS COPYRIGHT 2003 ACS
AN 1982:192951 CAPLUS
DN 96:192951
TI Pharmacological studies on methyleugenol
AU Jiang, Ying; Liu, Guoqing; Ma, Junru; Xie, Lin; Wu, Huiqiu
CS Dep. Pharmacol., Nanjing Coll. Pharm., Nanjing, Peop. Rep. China
SO Yaoxue Xuebao (1982), 17(2), 87-92
CODEN: YHHPAL; ISSN: 0513-4870
DT Journal
LA Chinese

L71 ANSWER 8 OF 8 CAPLUS COPYRIGHT 2003 ACS
AN 1973:11566 CAPLUS
DN 78:11566
TI Pharmacologic evaluation of 3,4-dimethoxyphenylpropenes and 3,4-dimethoxyphenylpropanediols
AU Engelbrecht, J. A.; Long, J. P.; Nichols, D. E.; Barfknecht, C. F.
CS Coll. Med., Univ. Iowa, Iowa City, IA, USA
SO Archives Internationales de Pharmacodynamie et de Therapie (1972), 199(2), 226-44
CODEN: AIPTAK; ISSN: 0003-9780
DT Journal
LA English

=> d l71 3 5 6 all

L71 ANSWER 3 OF 8 CAPLUS COPYRIGHT 2003 ACS
AN 1996:287269 CAPLUS
DN 125:1102
TI Synthesis and pharmacological activity of a eugenol derivative
AU Costa, J. A.; Oliveira, R. A. G.; Barbosa, J. M.; Souza Brito, A. R. M.
CS Lab. Tecnologia Farmaceutica, UFPb, Joao Pessoa, Brazil
SO Revista Brasileira de Farmacia (1994), 75(2), 40-5
CODEN: RBFAAH; ISSN: 0370-372X
PB Associacao Brasileira de Farmaceuticos
DT Journal
LA Portuguese
CC 1-11 (Pharmacology)
Section cross-reference(s): 26
AB The aim of this work was the synthesis of a natural pharmacol. active substance. The target compd. could be prepd. by an oxidative coupling reaction involving a starting material also found in nature. Eugenol, an allyl phenol widely used as a dental local anesthetic, was obtained by a soxhlet extn. of cloves oil from Caryophyllus aromaticus. Eugenol, prepd. by purifn. of the crude oil, was dimerized using potassium ferricyanide, giving dehydrodieugenol (DDE), a substance previously isolated from plants. The two phenolic groups were methylated with di-Me sulfate giving di-O-methyldehydrodieugenol (DMDDE). Pharmacol. evaluation of DMDDE in mice showed that it has a CNS-depressant effect, characterized by general sluggishness of the animal. It potentiated the **sleep** induced by sodium pentobarbital (which confirms its depressant activity) and also presented an analgesic effect after chem., mech. and thermal nociceptives stimulus. Furthermore, 50% of the exptl. animals were protected against pentylenetrazol-induced convulsion and survived. These data confirmed the

central depressant activity of DMDDE.
ST eugenol deriv prepn central nervous depressant; dimethyldehydrodieugenol prepn central nervous depressant
IT Analgesics
Anticonvulsants and Antiepileptics
Nervous system depressants
Sleep
(dimethyldehydrodieugenol prepn. and pharmacol. activity)
IT 13417-56-6P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(dimethyldehydrodieugenol prepn. and pharmacol. activity)
IT **97-53-0**, Eugenol
RL: RCT (Reactant); RACT (Reactant or reagent)
(dimethyldehydrodieugenol prepn. and pharmacol. activity)
IT **4433-08-3P**, Dehydrodieugenol
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(dimethyldehydrodieugenol prepn. and pharmacol. activity)

L71 ANSWER 5 OF 8 CAPLUS COPYRIGHT 2003 ACS
AN 1989:225383 CAPLUS
DN 110:225383
TI Methyl eugenol: laboratory evaluation in animals
AU Barbosa, P. P. P.; Teixeira, J. R. M.; Melo, M. F. B.; Gusmao, Q. M. W. B.
CS Esc. Cienc. Med., Univ. Fed. Alagoas, Alagoas, Brazil
SO Revista Brasileira de Anestesiologia (1988), 38(6), 393-7
CODEN: RBANAV; ISSN: 0034-7094
DT Journal
LA Portuguese
CC 1-11 (Pharmacology)
AB Me Eugenol, an essential oil fraction obtained from Caryophyllum aromaticus, caused central depressing effects with significant hypnotic and myorelaxing action in doses of 40 mg/kg, i.p., for rats and 5 mg/kg, i.v., for rabbits and dogs, rapid induction and satisfactory duration of **sleep** (118.4 s and 47.3 min resp.) in rats, and **sleep** time between 9-12 min in dogs. Anesthetic evolution in dogs was satisfactory, followed by rapid recovery and movement. Me eugenol (20 .mu.g/mL) reduced the atrial muscular cardiac force of contraction (50%) in 20 min. The addn. of Me eugenol to isolated rat diaphragm-nerve prepns. produced muscular contraction blockade under direct and indirect stimulation.
ST methyl eugenol hypnotic muscle relaxant
IT Anesthetics
Hypnotics and Sedatives
Muscle relaxants
(Me eugenol)
IT **93-15-2**, Methyl eugenol
RL: BIOL (Biological study)
(hypnotic and muscle-relaxant activities of)

L71 ANSWER 6 OF 8 CAPLUS COPYRIGHT 2003 ACS
AN 1982:504098 CAPLUS
DN 97:104098
TI The pharmacological effects of a ligroin extract of nutmeg (Myristica fragrans)
AU Sherry, C. J.; Ray, L. E.; Herron, R. E.
CS Dep. Biol., Texas A and M Univ., College Station, TX, 77843, USA
SO Journal of Ethnopharmacology (1982), 6(1), 61-6
CODEN: JOETD7; ISSN: 0378-8741
DT Journal

LA English
CC 1-11 (Pharmacology)
Section cross-reference(s): 11, 63
AB A ligroin ext. of nutmeg (Myristica fragrans) increased the duration of light and deep **sleep** in the young chicken. The presence of trimyristin [555-45-3] tended to increase the effect of the ext. The ext. did not contain detectable amts. of myristicin [607-91-0], elemicin [487-11-6], safrole [94-59-7], or eugenol [**97-53-0**], which either individually or collectively have been suggested to be the active agents of nutmeg.
ST nutmeg ext pharmacol; psychotropic nutmeg ext
IT Myristica
(ext. of, compn. and pharmacol. of)
IT Psychotropics
(nutmeg ext.)
IT 94-59-7 **97-53-0** 487-11-6 607-91-0
RL: BIOL (Biological study)
(nutmeg psychotropic activity in relation to)
IT 555-45-3
RL: BIOL (Biological study)
(nutmeg psychotropic activity potentiation by)

=> d his

(FILE 'HOME' ENTERED AT 15:49:40 ON 15 JUL 2003)

FILE 'REGISTRY' ENTERED AT 15:49:46 ON 15 JUL 2003
L1 43 S CEDROL
L2 33 S PATCHOULI
L3 36 S SANTALOL
L4 31 S BISABOLOL
E BISABOLOL
L5 2 S VETIVEROL
L6 30 S SCLAREOL
L7 0 S GLOBUOL
L8 9 S GLOBULOL
L9 11 S GUAIOL

FILE 'CAPLUS' ENTERED AT 15:55:44 ON 15 JUL 2003
E SLEEP
L10 15616 S E3
E SEDATIVE
L11 12852 S E3-E9
E RELAXATION
L12 217668 S E3 OR E8
E NARCOTIC
L13 10398 S E3 OR E12
E HYPNOTIC
L14 9427 S E3 OR E10
E SOMULENCE
E SOMUL
E SOMNIA
E INSOMNIA
L15 1431 S E3-E8
L16 717 S L1
L17 214 S L2
L18 350 S L3
L19 1195 S L4
L20 80 S L5
L21 487 S L6
L22 621 S L8

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L23       12852 S L11
L24       12852 S L11
L25         422 S L9
L26           1 S L6 AND L10

     FILE 'REGISTRY' ENTERED AT 16:04:01 ON 15 JUL 2003
L27           1 S 38419-75-9/RN
                SET NOTICE 1 DISPLAY
                SET NOTICE LOGIN DISPLAY

     FILE 'CAPLUS' ENTERED AT 16:04:27 ON 15 JUL 2003
L28           2 S L10 AND L16
L29           1 S L16 AND L11
L30           0 S L16 AND L12
L31           0 S L16 AND L13
L32           1 S L16 AND L14
L33           0 S L15 AND L16
L34           0 S L17 AND L10
L35           0 S L17 AND L11
L36           0 S L17 AND L13
L37           0 S L17 AND L15
L38           0 S L18 AND L10
L39           0 S L18 AND L13
L40           0 S L19 AND L10
L41           0 S LL18 AND L12
L42           0 S L18 AND L12
L43           1 S L19 AND L12
L44           1 S 43 1 ALL
L45           0 S L19 AND L15
L46           0 S L20 AND L10
L47           0 S L20 AND L12
L48           1 S L21 AND L10
L49           0 S L22 AND L12
L50           0 S L25 AND L10
                E NERVIOUS
                E NERVOUS
L51      164186 S E3-E7
L52           1 S L51 AND L16

     FILE 'REGISTRY' ENTERED AT 16:16:22 ON 15 JUL 2003
                E FARNESOL
L53          75 S E3
                E EUGENOL
L54         165 S E3
L55           4 S GERANYL LINALOOL
                E CEDRENOL
L56           9 S E3
                E ISOPYTOL
                E ISOPHYTOL
L57           6 S E3
                E NEROLIDOL
L58          41 S E3

     FILE 'CAPLUS' ENTERED AT 16:21:24 ON 15 JUL 2003
L59           1 S L56 AND L10
L60           0 S L56 AND L12
L61           0 S L56 AND L15
L62          90 S L56
L63           1 S L62 AND L10
L64           0 S L62 AND L12
L65        3275 S L53
L66           1 S L65 AND L10
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L67           9 S L65 AND L12
L68           0 S L65 AND L13
L69           0 S L65 AND L15
L70        8961 S L54
L71           8 S L70 AND L10

=> s l70 and l12
L72          33 L70 AND L12

=> d l72 not l71
L71 IS NOT VALID HERE
For an explanation, enter "HELP DISPLAY".

=> s l72 not l71
L73          33 L72 NOT L71

=> s l72 10-33
MISSING OPERATOR L72 10-33
The search profile that was entered contains terms or
nested terms that are not separated by a logical operator.

=> d l72 10-33

L72  ANSWER 10 OF 33  CAPLUS  COPYRIGHT 2003 ACS
AN   1997:531315  CAPLUS
DN   127:242982
TI   Eugenolol: a eugenol-derived .beta.-adrenoceptor blocker with partial
     .beta.2-agonist and calcium mobilization inhibition associated
     vasorelaxant activities
AU   Chen, Sheue-Jiun; Huang, Yeun-Chih; Wu, Bin-Nan; Chen, Ing-Jun
CS   Department of Pharmacology, Kaohsiung Medical College, Kaohsiung, 807,
     Taiwan
SO   Drug Development Research (1997), 40(3), 239-250
     CODEN: DDREDK; ISSN: 0272-4391
PB   Wiley-Liss
DT   Journal
LA   English

L72  ANSWER 11 OF 33  CAPLUS  COPYRIGHT 2003 ACS
AN   1996:350392  CAPLUS
DN   125:47250
TI   Electron Spin Resonance Studies of Reorientational Motion in Glass-Forming
     Liquids
AU   Kowert, Bruce A.; Higgins, Edward J.; Mariencheck, William I.; Stemmler,
     Timothy L.; Kantorovich, Vladimir
CS   Department of Chemistry, Saint Louis University, Saint Louis, MO, 63103,
     USA
SO   Journal of Physical Chemistry (1996), 100(27), 11211-11217
     CODEN: JPCHAX; ISSN: 0022-3654
PB   American Chemical Society
DT   Journal
LA   English

L72  ANSWER 12 OF 33  CAPLUS  COPYRIGHT 2003 ACS
AN   1996:193913  CAPLUS
DN   124:275865
TI   Experimental study of dielectric relaxation in supercooled
     alcohols and polyols
AU   Murthy, S. S. N.
CS   Sch. Phys. Sci., Jawaharlal Nehru Univ., New Delhi, 110067, India
SO   Molecular Physics (1996), 87(3), 691-709
     CODEN: MOPHAM; ISSN: 0026-8976
```

PB Taylor & Francis
DT Journal
LA English

L72 ANSWER 13 OF 33 CAPLUS COPYRIGHT 2003 ACS
AN 1995:990814 CAPLUS
DN 124:9689
TI Extrusion-moldable polyolefin resins suitable for moldings having complicated profiles
IN Tsuruoka, Masayuki; Nakagawa, Susumu; Hirano, Koki
PA Idemitsu Petrochemical Co, Japan
SO Jpn. Kokai Tokkyo Koho, 14 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 07247318	A2	19950926	JP 1994-38168	19940309
PRAI	JP 1994-38168		19940309		

L72 ANSWER 14 OF 33 CAPLUS COPYRIGHT 2003 ACS
AN 1993:410647 CAPLUS
DN 119:10647
TI Phosphorus-31 NMR spectroscopy in wood chemistry. Part IV. Lignin models: spin lattice **relaxation** times and solvent effects in phosphorus-31 NMR
AU Argyropoulos, Dimitris S.; Bolker, Henry I.; Heitner, Cyril; Archipov, Yuri
CS Dep. Chem., McGill Univ., Montreal, QC, H3A 2A7, Can.
SO Holzforschung (1993), 47(1), 50-6
CODEN: HOLZAZ; ISSN: 0018-3830
DT Journal
LA English

L72 ANSWER 15 OF 33 CAPLUS COPYRIGHT 2003 ACS
AN 1988:556844 CAPLUS
DN 109:156844
TI Structural **relaxation** mechanisms in liquid eugenol. A depolarized light scattering study
AU Bezot, P.; Hesse-Bezot, C.; Roynard, D.; Jeanneaux, F.
CS Lab. Phys. Matiere Condens., Nice, 06034, Fr.
SO Journal of Chemical Physics (1988), 89(1), 1-5
CODEN: JCPSA6; ISSN: 0021-9606
DT Journal
LA English

L72 ANSWER 16 OF 33 CAPLUS COPYRIGHT 2003 ACS
AN 1987:648750 CAPLUS
DN 107:248750
TI Proton longitudinal **relaxation** times of carbon-13 isotopomers
AU Bigler, Peter
CS Inst. Org. Chem., Univ. Berne, Bern, 3012, Switz.
SO Journal of Magnetic Resonance (1969-1992) (1987), 75(1), 162-6
CODEN: JOMRA4; ISSN: 0022-2364
DT Journal
LA English

L72 ANSWER 17 OF 33 CAPLUS COPYRIGHT 2003 ACS
AN 1985:143009 CAPLUS
DN 102:143009
TI Relaxant effects on tracheal and ileal smooth muscles of the guinea pig

AU Reiter, M.; Brandt, W.
CS Inst. Pharmakol. Toxikol., Tech. Univ. Muenchen, Munich, D-8000/40, Fed. Rep. Ger.
SO Arzneimittel-Forschung (1985), 35(1A), 408-14
CODEN: ARZNAD; ISSN: 0004-4172
DT Journal
LA English

L72 ANSWER 18 OF 33 CAPLUS COPYRIGHT 2003 ACS
AN 1983:510521 CAPLUS
DN 99:110521
TI Quantitative analysis of clove oil by NMR spectrometry
AU Chiang, Hung Cheh; Wang, Pei Lein; Huang, Keh Feng
CS Inst. Chem., Natl. Taiwan Norm. Univ., Taipei, 117, Taiwan
SO Journal of the Chinese Chemical Society (Taipei, Taiwan) (1983), 30(2), 117-20
CODEN: JCCTAC; ISSN: 0009-4536
DT Journal
LA English

L72 ANSWER 19 OF 33 CAPLUS COPYRIGHT 2003 ACS
AN 1983:400161 CAPLUS
DN 99:161
TI Chemostructural requirement for centrally acting muscle relaxant effect of magnolol and honokiol, neolignane derivatives
AU Watanabe, Hiroshi; Watanabe, Kazuo; Hagino, Koji
CS Res. Inst. Wakan-yaku, Toyama Med. Pharm. Univ., Toyama, 930-01, Japan
SO Journal of Pharmacobio-Dynamics (1983), 6(3), 184-90
CODEN: JOPHDQ; ISSN: 0386-846X
DT Journal
LA English

L72 ANSWER 20 OF 33 CAPLUS COPYRIGHT 2003 ACS
AN 1982:515659 CAPLUS
DN 97:115659
TI Acoustic and viscoelastic **relaxation** in liquid eugenol
AU Karabaev, M. K.; Turdyev, N. Sh.
CS Otd. Teplofiz., Tashkent, USSR
SO Izvestiya Akademii Nauk UzSSR, Seriya Fiziko-Matematicheskikh Nauk (1982), (2), 50-1
CODEN: IUZFAU; ISSN: 0131-8012
DT Journal
LA Russian

L72 ANSWER 21 OF 33 CAPLUS COPYRIGHT 2003 ACS
AN 1978:624673 CAPLUS
DN 89:224673
TI Dielectric **relaxation** in dilute solutions of some hydroxy compounds
AU Hanna, Faika Fahmy; Bishai, Augenie Michael
CS Arab Dev. Inst., Tripoli, Libya
SO Zeitschrift fuer Physikalische Chemie (Leipzig) (1978), 259(5), 849-55
CODEN: ZPCLAH; ISSN: 0372-9680
DT Journal
LA English

L72 ANSWER 22 OF 33 CAPLUS COPYRIGHT 2003 ACS
AN 1976:502884 CAPLUS
DN 85:102884
TI The effects of temperature and pressure on the complex dielectric permittivity of liquid eugenol and glycerol
AU Scaife, W. G. S.

CS Eng. Sch., Trinity Coll., Dublin, Ire.
SO Journal of Physics D: Applied Physics (1976), 9(10), 1489-99
CODEN: JPAPBE; ISSN: 0022-3727
DT Journal
LA English

L72 ANSWER 23 OF 33 CAPLUS COPYRIGHT 2003 ACS
AN 1976:427707 CAPLUS
DN 85:27707
TI Dielectric **relaxation** in eugenol
AU Alper, Turhan; Barlow, A. John; Kim, Min G.
CS Dep. Electron. Electr. Eng., Univ. Glasgow, Glasgow, UK
SO Journal of the Chemical Society, Faraday Transactions 2: Molecular and Chemical Physics (1976), 72(5), 934-40
CODEN: JCFTBS; ISSN: 0300-9238
DT Journal
LA English

L72 ANSWER 24 OF 33 CAPLUS COPYRIGHT 2003 ACS
AN 1975:154989 CAPLUS
DN 82:154989
TI Viscoelastic **relaxation** in supercooled eugenol
AU Kim, Min Gon
CS Dep. Electron. Electr. Eng., Univ. Glasgow, Glasgow, UK
SO Journal of the Chemical Society, Faraday Transactions 2: Molecular and Chemical Physics (1975), 71(3), 415-22
CODEN: JCFTBS; ISSN: 0300-9238
DT Journal
LA English

L72 ANSWER 25 OF 33 CAPLUS COPYRIGHT 2003 ACS
AN 1974:137424 CAPLUS
DN 80:137424
TI Compressional study of alcohols through pseudo-Grueneisen parameter
AU Tandon, Uma S.
CS Dep. Phys., Univ. Allahabad, Allahabad, India
SO Proc. Nucl. Phys. Solid State Phys. Symp., 17th (1973), Meeting Date 1972, Volume C, 309-12 Publisher: Phys. Comm. Dep. At. Energy, Bombay, India.
CODEN: 27GNAE
DT Conference
LA English

L72 ANSWER 26 OF 33 CAPLUS COPYRIGHT 2003 ACS
AN 1974:71472 CAPLUS
DN 80:71472
TI Changes of viscoelastic properties of poly(methyl methacrylate) soaked in various organic solvents
AU Yanaru, Ritsuo
CS Kyushu Dent. Coll., Kitakyushu, Japan
SO Kyushu Shika Gakkai Zasshi (1973), 26(5), 224-51
CODEN: KSGZA3; ISSN: 0368-6833
DT Journal
LA Japanese

L72 ANSWER 27 OF 33 CAPLUS COPYRIGHT 2003 ACS
AN 1974:49471 CAPLUS
DN 80:49471
TI Dielectric properties of lignin
AU Norimoto, Misato; Nakatsubo, Fumiaki; Yamada, Tadashi
CS Wood Res. Inst., Kyoto Univ., Kyoto, Japan
SO Zairyo (1973), 22(241), 937-42

CODEN: ZARYAQ; ISSN: 0514-5163
DT Journal
LA Japanese

L72 ANSWER 28 OF 33 CAPLUS COPYRIGHT 2003 ACS
AN 1973:529186 CAPLUS
DN 79:129186
TI Pressure dependence of ultrasonic absorption in eugenol and carbon tetrachloride
AU Kor, S. K.; Pandey, S. K.
CS Dep. Phys., Univ. Allahabad, Allahabad, India
SO Journal of the Physical Society of Japan (1973), 35(4), 1175-8
CODEN: JUPSAU; ISSN: 0031-9015
DT Journal
LA English

L72 ANSWER 29 OF 33 CAPLUS COPYRIGHT 2003 ACS
AN 1969:81945 CAPLUS
DN 70:81945
TI Effect of pressure on the complex permittivity of eugenol
AU Scaife, W. G.
CS Trinity Coll., Dublin, Ire.
SO National Academy of Sciences-National Research Council, Publication (1968), No. 1578, 70-80
CODEN: NASRAE; ISSN: 0547-8464
DT Journal
LA English

L72 ANSWER 30 OF 33 CAPLUS COPYRIGHT 2003 ACS
AN 1964:12432 CAPLUS
DN 60:12432
OREF 60:2227a-d
TI Neuromuscular blocking action of a general anesthetic, the N,N-diethylamide of 2-methoxy-4-allylphenoxyacetic acid (Estil)
AU Malafaya-Baptista, A.; Guimaraes, S.; Rodrigues-Pereira, E.
CS Univ. Oporto, Port.
SO Archives Internationales de Pharmacodynamie et de Therapie (1963), 145(1-2), 44-50
CODEN: AIPTAK; ISSN: 0003-9780
DT Journal
LA English

L72 ANSWER 31 OF 33 CAPLUS COPYRIGHT 2003 ACS
AN 1962:472361 CAPLUS
DN 57:72361
OREF 57:14403f-h
TI A new anesthetic, 2-methoxyl-4-allylphenoxyacetic acid diethylamide (Detrovel) in the clearing and curetting of the uterus following abortions
AU Neumann, E.; Bernadin, D.; Couturier, J. C.
CS Clin. Obstet., Lyons, Fr.
SO Bull. Federation Soc. Gynecol. Obstet. Langue Franc. (1962), 14, 147-8
DT Journal
LA Unavailable

L72 ANSWER 32 OF 33 CAPLUS COPYRIGHT 2003 ACS
AN 1962:57028 CAPLUS
DN 56:57028
OREF 56:10875f-h
TI Gas analyses in umbilical cord blood after obstetric procedures
AU Kittel, E.; Mueller-Plathe, O.; Schmolling, E.
CS Univ.-Frauenklinik, Hamburg-Eppendorf, Germany
SO Klinische Wochenschrift (1961), 39, 911-13

CODEN: KLWOAZ; ISSN: 0023-2173
DT Journal
LA Unavailable

L72 ANSWER 33 OF 33 CAPLUS COPYRIGHT 2003 ACS
AN 1954:70272 CAPLUS
DN 48:70272
OREF 48:12488i,12489a-b
TI Dielectric **relaxation** time and association. III. The role of intramolecular and intermolecular hydrogen-bond formation of ortho-substituted phenols in relation to their concentration in nonpolar carbon tetrachloride
AU Fischer, Erich
CS Univ. Ankara, Turk.
SO Zeitschrift fuer Naturforschung (1954), 9a, 360-5
CODEN: ZNTFA2; ISSN: 0372-9516
DT Journal
LA Unavailable

=> s l55
L74 123 L55

=> s l74 and l10
L75 1 L74 AND L10

=> d l75

L75 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS
AN 1992:171087 CAPLUS
DN 116:171087
TI Effects of olfactory stimulation with jasmin and its component chemicals on the duration of pentobarbital-induced **sleep** in mice
AU Tsuchiya, T.; Tanida, M.; Uenoyama, S.; Nakayama, Y.
CS Shiseido Res. Cent., Yokohama, 223, Japan
SO Life Sciences (1992), 50(15), 1097-102
CODEN: LIFSAK; ISSN: 0024-3205
DT Journal
LA English

=> d l75 1 all

L75 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS
AN 1992:171087 CAPLUS
DN 116:171087
TI Effects of olfactory stimulation with jasmin and its component chemicals on the duration of pentobarbital-induced **sleep** in mice
AU Tsuchiya, T.; Tanida, M.; Uenoyama, S.; Nakayama, Y.
CS Shiseido Res. Cent., Yokohama, 223, Japan
SO Life Sciences (1992), 50(15), 1097-102
CODEN: LIFSAK; ISSN: 0024-3205
DT Journal
LA English
CC 13-6 (Mammalian Biochemistry)
Section cross-reference(s): 62
AB The effect of olfactory stimulation with jasmin and its component chems. on pentobarbital **sleep** time was investigated using mice in order to det. which component of jasmin influences pentobarbital **sleep** time via olfactory stimulation. **Sleep** time was defined as the time elapsed between i.p. pentobarbital administration and the first time that the animal was able to spontaneously right itself. **Sleep**

time was significantly decreased by olfactory stimulation with jasmin, and also by one of the fractions obtained by fractional distn. at 150 .degree.C and 0.1 mmHg. The fraction which influenced the **sleep** time was found to consist of benzyl benzoate, isophytol, geranyl linalool, phytol and phytyl acetate, which were identified using gas chromatog. with mass and IR spectrometry. In expts. using authentic samples of these components, phytol significantly shortened the pentobarbital **sleep** time, while the others had no effect. Phytol is the component of jasmin which reduces the duration of pentobarbital-induced **sleep**.

ST **sleep** pentobarbital jasmin phytol drug interaction; olfactory system **sleep** pentobarbital jasmin phytol

IT **Sleep**
(jasmin inhibition of pentobarbital-induced, olfactory stimulation in)

IT Essential oils
RL: BIOL (Biological study)
(jasmine, Jasminum grandiflorum abs., pentobarbital-induced **sleep** inhibition by, olfactory stimulation in)

IT Nervous system
(olfactory system, jasmin stimulation of, pentobarbital-induced **sleep** inhibition by)

IT 76-74-4, Pentobarbital
RL: BIOL (Biological study)
(jasmin inhibition of **sleep** stimulation by, olfactory stimulation in)

IT 120-51-4, Benzyl benzoate 140-11-4, Benzyl acetate 150-86-7, Phytol 505-32-8, Isophytol **1113-21-9**, Geranyl linalool 10236-16-5, Phytyl acetate
RL: BIOL (Biological study)
(pentobarbital **sleep** time response to, as jasmin component, olfactory stimulation in relation to)

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=> s l57
L76         380 L57

=> s l76 and l10
L77           1 L76 AND L10

=> d l77

L77  ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2003 ACS
AN   1992:171087  CAPLUS
DN   116:171087
TI   Effects of olfactory stimulation with jasmin and its component chemicals
     on the duration of pentobarbital-induced sleep in mice
AU   Tsuchiya, T.; Tanida, M.; Uenoyama, S.; Nakayama, Y.
CS   Shiseido Res. Cent., Yokohama, 223, Japan
SO   Life Sciences (1992), 50(15), 1097-102
     CODEN: LIFSAK; ISSN: 0024-3205
DT   Journal
LA   English


=> s l76 and l15
L78           0 L76 AND L15

=> s l58
L79        2587 L58

=> s l79 and l10
L80           2 L79 AND L10
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=> d l80 1-2

L80  ANSWER 1 OF 2  CAPLUS  COPYRIGHT 2003 ACS
AN   2001:753166  CAPLUS
DN   135:308609
TI   Perfume compositions for memory improvement
IN   Tanisawa, Shigeji; Suga, Chihoko; Goto, Masahiro; Okuda, Takehiro
PA   Pola Chemical Industries, Inc., Japan
SO   Jpn. Kokai Tokkyo Koho, 5 pp.
     CODEN: JKXXAF
DT   Patent
LA   Japanese
FAN.CNT 1
     PATENT NO.        KIND  DATE           APPLICATION NO.  DATE
     ---------------   ----  --------       ---------------  --------
PI   JP 2001288493      A2   20011016       JP 2000-103001   20000405
PRAI JP 2000-103001           20000405

L80  ANSWER 2 OF 2  CAPLUS  COPYRIGHT 2003 ACS
AN   2001:124383  CAPLUS
DN   134:183320
TI   Perfumes and their compositions for stress alleviation
IN   Tanisawa, Shigeji; Suga, Chihoko; Goto, Masahiro; Okuda, Takehiro;
     Ishitoya, Toyomasa
PA   Pola Chemical Industries, Inc., Japan
SO   Jpn. Kokai Tokkyo Koho, 5 pp.
     CODEN: JKXXAF
DT   Patent
LA   Japanese
FAN.CNT 1
     PATENT NO.        KIND  DATE           APPLICATION NO.  DATE
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PI   JP 2001049286      A2   20010220       JP 1999-221887   19990805
PRAI JP 1999-221887           19990805


=> d his

     (FILE 'HOME' ENTERED AT 15:49:40 ON 15 JUL 2003)

     FILE 'REGISTRY' ENTERED AT 15:49:46 ON 15 JUL 2003
L1            43 S CEDROL
L2            33 S PATCHOULI
L3            36 S SANTALOL
L4            31 S BISABOLOL
                 E BISABOLOL
L5             2 S VETIVEROL
L6            30 S SCLAREOL
L7             0 S GLOBUOL
L8             9 S GLOBULOL
L9            11 S GUAIOL

     FILE 'CAPLUS' ENTERED AT 15:55:44 ON 15 JUL 2003
                 E SLEEP
L10        15616 S E3
                 E SEDATIVE
L11        12852 S E3-E9
                 E RELAXATION
L12       217668 S E3 OR E8
                 E NARCOTIC
L13        10398 S E3 OR E12
                 E HYPNOTIC
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L14          9427 S E3 OR E10
                  E SOMULENCE
                  E SOMUL
                  E SOMNIA
                  E INSOMNIA
L15          1431 S E3-E8
L16           717 S L1
L17           214 S L2
L18           350 S L3
L19          1195 S L4
L20            80 S L5
L21           487 S L6
L22           621 S L8
L23         12852 S L11
L24         12852 S L11
L25           422 S L9
L26             1 S L6 AND L10

     FILE 'REGISTRY' ENTERED AT 16:04:01 ON 15 JUL 2003
L27             1 S 38419-75-9/RN
                  SET NOTICE 1 DISPLAY
                  SET NOTICE LOGIN DISPLAY

     FILE 'CAPLUS' ENTERED AT 16:04:27 ON 15 JUL 2003
L28             2 S L10 AND L16
L29             1 S L16 AND L11
L30             0 S L16 AND L12
L31             0 S L16 AND L13
L32             1 S L16 AND L14
L33             0 S L15 AND L16
L34             0 S L17 AND L10
L35             0 S L17 AND L11
L36             0 S L17 AND L13
L37             0 S L17 AND L15
L38             0 S L18 AND L10
L39             0 S L18 AND L13
L40             0 S L19 AND L10
L41             0 S LL18 AND L12
L42             0 S L18 AND L12
L43             1 S L19 AND L12
L44             1 S 43 1 ALL
L45             0 S L19 AND L15
L46             0 S L20 AND L10
L47             0 S L20 AND L12
L48             1 S L21 AND L10
L49             0 S L22 AND L12
L50             0 S L25 AND L10
                  E NERVIOUS
                  E NERVOUS
L51        164186 S E3-E7
L52             1 S L51 AND L16

     FILE 'REGISTRY' ENTERED AT 16:16:22 ON 15 JUL 2003
                  E FARNESOL
L53            75 S E3
                  E EUGENOL
L54           165 S E3
L55             4 S GERANYL LINALOOL
                  E CEDRENOL
L56             9 S E3
                  E ISOPYTOL
                  E ISOPHYTOL
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L57             6 S E3
                  E NEROLIDOL
L58            41 S E3

     FILE 'CAPLUS' ENTERED AT 16:21:24 ON 15 JUL 2003
L59             1 S L56 AND L10
L60             0 S L56 AND L12
L61             0 S L56 AND L15
L62            90 S L56
L63             1 S L62 AND L10
L64             0 S L62 AND L12
L65          3275 S L53
L66             1 S L65 AND L10
L67             9 S L65 AND L12
L68             0 S L65 AND L13
L69             0 S L65 AND L15
L70          8961 S L54
L71             8 S L70 AND L10
L72            33 S L70 AND L12
L73            33 S L72 NOT L71
L74           123 S L55
L75             1 S L74 AND L10
L76           380 S L57
L77             1 S L76 AND L10
L78             0 S L76 AND L15
L79          2587 S L58
L80             2 S L79 AND L10

=> d l48

L48  ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2003 ACS
AN   1987:611773  CAPLUS
DN   107:211773
TI   Behavioral effects of the diterpene sclareol glucol
AU   Georgieva, Zh.; Uzunov, P.; Ognyanov, I.; Bantutova, M.
CS   Bulg.
SO   Problemi na Farmakologiyata (1986), 1, 24-32
     CODEN: PRFAE9
DT   Journal
LA   Russian


=> d l48 all

L48  ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2003 ACS
AN   1987:611773  CAPLUS
DN   107:211773
TI   Behavioral effects of the diterpene sclareol glucol
AU   Georgieva, Zh.; Uzunov, P.; Ognyanov, I.; Bantutova, M.
CS   Bulg.
SO   Problemi na Farmakologiyata (1986), 1, 24-32
     CODEN: PRFAE9
DT   Journal
LA   Russian
CC   1-11 (Pharmacology)
AB   In expts. on male mice and rats some behavioral effects of the diterpene
     sclareol glucol (SG) were studied.  SG in higher doses (50, 100 mg/kg)
     enhanced the sensitivity to touch and pain, shortened the duration of
     hexobarbital sleep, stimulated exploratory behavior in rats in
     open field, exerted no anti-convulsive effect and increased the mortality
     from pentylenetetrazole seizures.  In higher doses (300, 500, and 1000
     mg/kg) SG induced seizures.
```

ST sclareol glucol behavior nervous system
IT Behavior
Nervous system
(sclareol glucol effect on)
IT **38419-75-9**
RL: PRP (Properties)
(behavioral and nervous systems effects of)

=> e stress
E1 1 STRESP/BI
E2 1 STRESPTOMYCES/BI
E3 393704 --> STRESS/BI
E4 2 STRESS1/BI
E5 1 STRESS2/BI
E6 1 STRESS3/BI
E7 1 STRESS4/BI
E8 7 STRESS70/BI
E9 1 STRESS70C/BI
E10 1 STRESS7WAS/BI
E11 5 STRESSA/BI
E12 8 STRESSABILITY/BI

=> s e3
L81 393704 STRESS/BI

=> s l81 and l16
L82 5 L81 AND L16

=> d l82 1-5

L82 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2003 ACS
AN 2003:146475 CAPLUS
DN 138:192839
TI **Stress**-relieving hair-styling preparations containing sesquiterpene alcohols
IN Nagashima, Yoshinao; Yata, Sachihiro
PA Kao Corp., Japan
SO Jpn. Kokai Tokkyo Koho, 9 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 2003055161	A2	20030226	JP 2001-244909	20010810
PRAI JP 2001-244909		20010810		

L82 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2003 ACS
AN 2001:597788 CAPLUS
DN 135:170507
TI Autonomic-controlling agents containing sesquiterpene alcohols
IN Nagashima, Yoshinao; Sugata, Keiichi; Yada, Yukihiro; Fukuda, Kazuyuki
PA Kao Corp., Japan
SO PCT Int. Appl., 48 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2001058435	A1	20010816	WO 2001-JP928	20010209

W: JP, US
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR
EP 1170005 A1 20020109 EP 2001-902822 20010209
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI
US 2002151600 A1 20021017 US 2001-972887 20011010
PRAI JP 2000-38260 A 20000210
WO 2001-JP928 W 20010209
RE.CNT 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L82 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2003 ACS
AN 2000:35577 CAPLUS
DN 132:332157
TI Physiological effects of volatile components in forest
AU Sawada, Kazuhiko; Komaki, Ryoichi; Yamashita, Yoshikuni; Suzuki, Yasushi; Ishiyama, Seiichi
CS Cosmetic Lab., Kanebo Co. Ltd., Japan
SO Nippon Aji to Nioi Gakkaishi (1999), 6(3), 465-468
CODEN: NNGAEW; ISSN: 1340-4806
PB Nippon Aji to Nioi Gakkai
DT Journal
LA Japanese

L82 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2003 ACS
AN 1999:493051 CAPLUS
DN 131:348943
TI Antifungal activity to Phytophthora infestans of sesquiterpenoids from infected potato tubers
AU Engstrom, K.; Widmark, A. K.; Brishammar, S.; Helmersson, S.
CS Department of Chemistry, Swedish University of Agricultural Sciences, Uppsala, S-750, Swed.
SO Potato Research (1999), 42(1), 43-50
CODEN: PORHBW; ISSN: 0014-3065
PB European Association for Potato Research
DT Journal
LA English
RE.CNT 28 THERE ARE 28 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L82 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2003 ACS
AN 1994:187222 CAPLUS
DN 120:187222
TI The effect of a long-term water **stress** on the metabolism and emission of terpenes of the foliage of Cupressus sempervirens
AU Yani, A.; Pauly, G.; Faye, M.; Salin, F.; Gleizes, M.
CS Lab. Physiol. Cell. Veg., Univ. Bordeaux I, Talence, 33405, Fr.
SO Plant, Cell and Environment (1993), 16(8), 975-81
CODEN: PLCEDV; ISSN: 0140-7791
DT Journal
LA English

=> d l82 3 all

L82 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2003 ACS
AN 2000:35577 CAPLUS
DN 132:332157
TI Physiological effects of volatile components in forest
AU Sawada, Kazuhiko; Komaki, Ryoichi; Yamashita, Yoshikuni; Suzuki, Yasushi; Ishiyama, Seiichi

CS Cosmetic Lab., Kanebo Co. Ltd., Japan
SO Nippon Aji to Nioi Gakkaishi (1999), 6(3), 465-468
CODEN: NNGAEW; ISSN: 1340-4806
PB Nippon Aji to Nioi Gakkai
DT Journal
LA Japanese
CC 11-8 (Plant Biochemistry)
Section cross-reference(s): 13
AB The physiol. effect such as **stress** relief of hiba forest volatile components such as monoterpenes is studied.
ST hiba forest volatile component physiol function
IT Forests
(hiba; physiol. effects of volatile components in forest)
IT Thujopsis dolabrata
Volatile substances
(physiol. effects of volatile components in forest)
IT Monoterpenes
RL: BSU (Biological study, unclassified); GOC (Geological or astronomical occurrence); BIOL (Biological study); OCCU (Occurrence)
(physiol. effects of volatile components in forest)
IT **77-53-2**, Cedrol 80-56-8, .alpha.-Pinene 13466-78-9, .DELTA.3-Carene
RL: BSU (Biological study, unclassified); GOC (Geological or astronomical occurrence); BIOL (Biological study); OCCU (Occurrence)
(physiol. effects of volatile components in forest)

=> d his

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L2 33 S PATCHOULI
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E BISABOLOL
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L6 30 S SCLAREOL
L7 0 S GLOBUOL
L8 9 S GLOBULOL
L9 11 S GUAIOL

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E SEDATIVE
L11 12852 S E3-E9
E RELAXATION
L12 217668 S E3 OR E8
E NARCOTIC
L13 10398 S E3 OR E12
E HYPNOTIC
L14 9427 S E3 OR E10
E SOMULENCE
E SOMUL
E SOMNIA
E INSOMNIA
L15 1431 S E3-E8
L16 717 S L1
L17 214 S L2
L18 350 S L3

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L20            80 S L5
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L24         12852 S L11
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L26             1 S L6 AND L10

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L58            41 S E3

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L76         380 S L57
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L80           2 S L79 AND L10
                E STRESS
L81      393704 S E3
L82           5 S L81 AND L16

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nested terms that are not separated by a logical operator.

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=> s l65 and l81
L84          26 L65 AND L81

=> d l84 10-26

L84  ANSWER 10 OF 26  CAPLUS  COPYRIGHT 2003 ACS
AN   1997:768128  CAPLUS
DN   128:84077
TI   Trypanosoma brucei: effects of methoprene and other isoprenoid compounds
     on procyclic and bloodstream forms in vitro and in mice
AU   Harmon, Margaret A.; Scott, Teddy C.; Li, Yuhua; Boehm, Marcus F.;
     Phillips, Margaret A.; Mangelsdorf, David J.
CS   Department of Pharmacology, University of Texas Southwestern Medical
     Center at Dallas, Dallas, TX, 75235-9041, USA
SO   Experimental Parasitology (1997), 87(3), 229-236
     CODEN: EXPAAA; ISSN: 0014-4894
PB   Academic Press
DT   Journal
LA   English

L84  ANSWER 11 OF 26  CAPLUS  COPYRIGHT 2003 ACS
AN   1997:679260  CAPLUS
DN   128:10189
TI   Lovastatin induces apoptosis by inhibiting mitotic and post-mitotic events
     in cultured mesangial cells
AU   Ghosh, Paramita M.; Mott, Glen E.; Ghosh-Choudhury, Nandini; Radnik,
     Robert A.; Stapleton, Marissa L.; Ghidoni, John J.; Kreisberg, Jeffrey I.
CS   Department of Pathology, University of Texas Health Science Center, 7703
     Floyd Curl Drive, San Antonio, USA
SO   Biochimica et Biophysica Acta (1997), 1359(1), 13-24
     CODEN: BBACAQ; ISSN: 0006-3002
PB   Elsevier
```

DT Journal
LA English

L84 ANSWER 12 OF 26 CAPLUS COPYRIGHT 2003 ACS
AN 1996:114474 CAPLUS
DN 124:223355
TI Convergence of three steroid receptor pathways in the mediation of nongenotoxic hepatocarcinogenesis
AU O'Brien, M. L.; Rangwala, S. M.; Henry, K. W.; Weinberger, C.; Crick, D. C.; Waechter, C. J.; Feller, D. R.; Noonan, D. J.
CS Dep. Biochem., University Kentucky, Lexington, KY, 40536, USA
SO Carcinogenesis (1996), 17(2), 185-90
CODEN: CRNGDP; ISSN: 0143-3334
PB Oxford University Press
DT Journal
LA English

L84 ANSWER 13 OF 26 CAPLUS COPYRIGHT 2003 ACS
AN 1996:40356 CAPLUS
DN 124:79279
TI Is sidestream smoke a stressor?
AU Barbera, Nunziata; Iurato, Maria Pierangela; Geremia, Ernesto; Bernardini, Renato
CS Institutes Pharmacology, University Catania, Catania, I-95125, Italy
SO Indoor Environment (1995), 4(3-4), 157-61
CODEN: IENVEC; ISSN: 1016-4901
PB Karger
DT Journal
LA English

L84 ANSWER 14 OF 26 CAPLUS COPYRIGHT 2003 ACS
AN 1994:102387 CAPLUS
DN 120:102387
TI Effects of growth regulators on the induction of Crassulacean acid metabolism in the facultative halophyte Mesembryanthemum crystallinum L.
AU Dai, Ziyu; Ku, Maurice S. B.; Zhang, Dianzhong; Edwards, Gerald E.
CS Bot. Dep., Washington State Univ., Pullman, WA, 99164-4238, USA
SO Planta (1994), 192(3), 287-94
CODEN: PLANAB; ISSN: 0032-0935
DT Journal
LA English

L84 ANSWER 15 OF 26 CAPLUS COPYRIGHT 2003 ACS
AN 1992:148339 CAPLUS
DN 116:148339
TI Sorghum isoprenoid pathway responses to manganese concentration
AU Wilkinson, R. E.
CS Dep. Agron., Univ. Georgia, Griffin, GA, 30223-1797, USA
SO Canadian Journal of Plant Science (1991), 71(4), 973-81
CODEN: CPLSAY; ISSN: 0008-4220
DT Journal
LA English

L84 ANSWER 16 OF 26 CAPLUS COPYRIGHT 2003 ACS
AN 1990:175849 CAPLUS
DN 112:175849
TI Factors influencing the concentration of solanesol in Burley tobacco
AU Burton, H. R.; Leggett, Everett; Phillips, R. E.
CS Dep. Agron., Univ. Kentucky, Lexington, KY, USA
SO Beitraege zur Tabakforschung International (1989), 14(5), 313-20
CODEN: BTAID3; ISSN: 0173-783X
DT Journal

LA English

L84 ANSWER 17 OF 26 CAPLUS COPYRIGHT 2003 ACS
AN 1990:36226 CAPLUS
DN 112:36226
TI Preparation of antiulcer isoprenoid derivatives and pharmaceutical compositions containing them
IN Yamada, Kazuhiko; Tahara, Yoshiyuki; Toyoda, Masashi; Irino, Osamu; Misaki, Noriyuki
PA Nisshin Flour Milling Co., Ltd., Japan
SO Eur. Pat. Appl., 29 pp.
CODEN: EPXXDW
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 304842	A2	19890301	EP 1988-113617	19880822
	EP 304842	A3	19910116		
	EP 304842	B1	19941130		
	R: BE, CH, DE, ES, FR, GB, IT, LI, NL, SE				
	JP 02042030	A2	19900213	JP 1988-206465	19880822
	US 4906669	A	19900306	US 1988-234895	19880822
	ES 2067461	T3	19950401	ES 1988-113617	19880822
	KR 9701518	B1	19970211	KR 1988-10803	19880825
PRAI	JP 1987-209214	A	19870825		
	JP 1988-96770	A	19880421		
	JP 1988-206455	A	19880822		

L84 ANSWER 18 OF 26 CAPLUS COPYRIGHT 2003 ACS
AN 1989:592253 CAPLUS
DN 111:192253
TI Temperature-dependent oligomerization of hsp85 in vitro
AU Lanks, Karl W.
CS Health Sci. Cent., SUNY, Brooklyn, NY, 11203, USA
SO Journal of Cellular Physiology (1989), 140(3), 601-7
CODEN: JCLLAX; ISSN: 0021-9541
DT Journal
LA English

L84 ANSWER 19 OF 26 CAPLUS COPYRIGHT 2003 ACS
AN 1986:439604 CAPLUS
DN 105:39604
TI Phytoalexins, water-**stress** and stomata. III. The effects of some phenolics, fatty acids and some other compounds on stomatal responses
AU Plumbe, Alison M.; Willmer, C. M.
CS Dep. Biol. Sci., Univ. Stirling, Stirling, FK9 4LA, UK
SO New Phytologist (1986), 103(1), 17-22
CODEN: NEPHAV; ISSN: 0028-646X
DT Journal
LA English

L84 ANSWER 20 OF 26 CAPLUS COPYRIGHT 2003 ACS
AN 1986:183503 CAPLUS
DN 104:183503
TI Phytoalexins, water-**stress** and stomata. II. The effects of phytoalexins on stomatal responses in epidermal strips and on guard cell protoplasts
AU Plumbe, Alison M.; Willmer, C. M.
CS Dep. Biol. Sci., Univ. Stirling, Stirling, FK9 4LA, UK
SO New Phytologist (1986), 102(3), 375-84
CODEN: NEPHAV; ISSN: 0028-646X

DT Journal
LA English

L84 ANSWER 21 OF 26 CAPLUS COPYRIGHT 2003 ACS
AN 1983:447553 CAPLUS
DN 99:47553
TI Effect of synthetic acyclic polyisoprenoids on the cold-restraint **stress** induced gastric ulcer in rats
AU Murakami, Manabu; Oketani, Kiyoshi; Fujisaki, Hideaki; Wakabayashi, Tsuneo; Inai, Yuichi; Abe, Shinya; Yamatsu, Isao; Ohgo, Toshiharu
CS Tsukuba Res. Lab., Eisai Co., Ltd., Ibaraki, 300-26, Japan
SO Japanese Journal of Pharmacology (1983), 33(3), 549-56
CODEN: JJPAAZ; ISSN: 0021-5198
DT Journal
LA English

L84 ANSWER 22 OF 26 CAPLUS COPYRIGHT 2003 ACS
AN 1981:12921 CAPLUS
DN 94:12921
TI Effect of abscisic acid on rishitin and lubimin accumulation and resistance to Phytophthora infestans and Cladosporium cucumerinum in potato tuber tissue slices
AU Henfling, J. W. D. M.; Bostock, R.; Kuc, J.
CS Dep. Plant Pathol., Univ. Kentucky, Lexington, KY, 40546, USA
SO Phytopathology (1980), 70(11), 1074-8
CODEN: PHYTAJ; ISSN: 0031-949X
DT Journal
LA English

L84 ANSWER 23 OF 26 CAPLUS COPYRIGHT 2003 ACS
AN 1979:51352 CAPLUS
DN 90:51352
TI The role of abscisic acid and farnesol in the alleviation of water **stress**
AU Mansfield, T. A.; Wellburn, A. R.; Moreira, T. J. S.
CS Dep. Biol. Sci., Univ. Lancaster, Bailrigg/Lancaster, UK
SO Philosophical Transactions of the Royal Society of London, Series B: Biological Sciences (1978), 284(1002), 471-82
CODEN: PTRBAE; ISSN: 0080-4622
DT Journal; General Review
LA English

L84 ANSWER 24 OF 26 CAPLUS COPYRIGHT 2003 ACS
AN 1977:597601 CAPLUS
DN 87:197601
TI The role of farnesol as a regulator of stomatal opening in Sorghum
AU Fenton, R.; Davies, W. J.; Mansfield, T. A.
CS Dep. Biol. Sci., Univ. Lancaster, Bailrigg/Lancaster, UK
SO Journal of Experimental Botany (1977), 28(105), 1043-53
CODEN: JEBOA6; ISSN: 0022-0957
DT Journal
LA English

L84 ANSWER 25 OF 26 CAPLUS COPYRIGHT 2003 ACS
AN 1975:121655 CAPLUS
DN 82:121655
TI All-trans-farnesol. Naturally occurring antitranspirant
AU Wellburn, A. R.; Ogunkanmi, A. B.; Fenton, R.; Mansfield, T. A.
CS Dep. Biol. Sci., Univ. Lancaster, Lancaster, UK
SO Planta (1974), 120(3), 255-63
CODEN: PLANAB; ISSN: 0032-0935
DT Journal

LA English

L84 ANSWER 26 OF 26 CAPLUS COPYRIGHT 2003 ACS
AN 1974:532796 CAPLUS
DN 81:132796
TI Detection and preliminary identification of endogenous antitranspirants in water-stressed sorghum plants
AU Ogunkanmi, A. B.; Wellburn, A. R.; Mansfield, T. A.
CS Dep. Biol. Sci., Univ. Lancaster, Lancaster, UK
SO Planta (1974), 117(4), 293-302
CODEN: PLANAB; ISSN: 0032-0935
DT Journal
LA English

=> d l84 17 all

L84 ANSWER 17 OF 26 CAPLUS COPYRIGHT 2003 ACS
AN 1990:36226 CAPLUS
DN 112:36226
TI Preparation of antiulcer isoprenoid derivatives and pharmaceutical compositions containing them
IN Yamada, Kazuhiko; Tahara, Yoshiyuki; Toyoda, Masashi; Irino, Osamu; Misaki, Noriyuki
PA Nisshin Flour Milling Co., Ltd., Japan
SO Eur. Pat. Appl., 29 pp.
CODEN: EPXXDW
DT Patent
LA English
IC ICM A61K031-05
ICS A61K031-085; A61K031-09; A61K031-22; A61K031-12; A61K031-355; C07C050-06; C07D311-72; C07D311-58; C07C039-19
CC 30-40 (Terpenes and Terpenoids)
Section cross-reference(s): 1
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 304842	A2	19890301	EP 1988-113617	19880822
	EP 304842	A3	19910116		
	EP 304842	B1	19941130		
	R: BE, CH, DE, ES, FR, GB, IT, LI, NL, SE				
	JP 02042030	A2	19900213	JP 1988-206465	19880822
	US 4906669	A	19900306	US 1988-234895	19880822
	ES 2067461	T3	19950401	ES 1988-113617	19880822
	KR 9701518	B1	19970211	KR 1988-10803	19880825
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	JP 1988-96770	A	19880421		
	JP 1988-206455	A	19880822		

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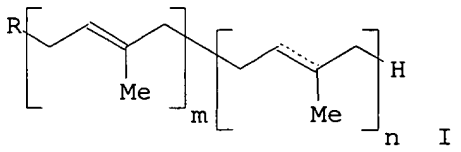

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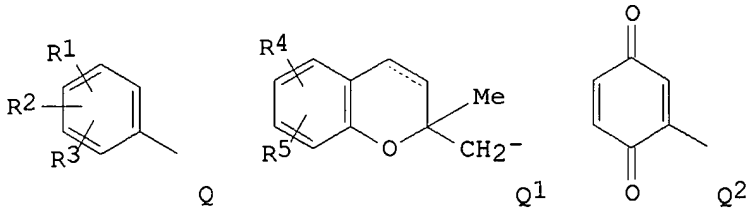

Q Q1 Q2

AB The title compds. [I; R = Q, Q1, Q2; R1-R3 = H, OH, alkanoyloxy, alkyl, alkoxy, provided that .gtoreq.2 .noteq. H; R4, R5 = H, OH, alkanoyloxy; m = 0, 1; n = 0-9], useful as antiulcer agents, were prepd. Hydroquinone in dioxane contg. BF3.Et2O was heated 1 h at 40.degree. with 3,7,11,15-tetramethyl-2-hexadecen-1-ol to give, after hydrolysis, 2-(3,7,11,15-tetramethyl-2-hexadecenyl)hydroquinone. At 100 mg/kg orally the latter gave 84.9% inhibition of **stress**-induced ulcers in male rats. A tablet was formulated contg. 2-[3,7(R),11(R),15-tetramethyl-2-hexadecenyl]hydroquinone 50, cryst. cellulose 50, cornstarch 30, lactose 17.8, hydroxypropylcellulose 0.2, and Mg stearate 2 mg.

ST isoprenoid deriv prepn antiulcer; phytylhydroquinone deriv prepn antiulcer; hydroquinone phytyl prepn antiulcer

IT Ulcer inhibitors
(isoprenoid derivs.)

IT 50848-64-1P 61977-06-8P 71258-98-5P 77551-14-5P 79577-58-5P 102043-79-8P 123086-31-7P 123086-32-8P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. and reaction of, in prepn. of ulcer inhibitors)

IT 119-98-2P 6199-76-4P 10457-66-6P 35175-62-3P 39703-09-8P 71258-97-4P 74166-02-2P 74166-03-3P 76275-68-8P 81557-69-9P 113714-90-2P 119980-00-6P 123086-31-7P 123086-32-8P 123086-33-9P 123086-34-0P 123086-35-1P 123086-36-2P 123086-37-3P 123086-38-4P 123086-39-5P 123086-40-8P 123086-41-9P 123086-42-0P 123086-43-1P 123086-44-2P 123086-45-3P 123086-46-4P 123086-47-5P 123086-48-6P 123086-49-7P 123086-50-0P 123086-51-1P 123086-52-2P 123086-53-3P 123086-54-4P 123086-55-5P 123086-56-6P 123086-57-7P 123086-58-8P 123086-59-9P 123086-60-2P 123086-61-3P 123086-62-4P 123086-63-5P 123086-64-6P 123164-53-4P 123237-20-7P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(prepn. of, as ulcer inhibitor)

IT 87-66-1, 1,2,3-Benzenetriol 91-16-7, 1,2-Dimethoxybenzene 106-24-1, Geraniol 119-98-2 120-80-9, 1,2-Benzenediol, reactions 123-31-9, 1,4-Benzenediol, reactions 128-39-2, 2,6-Di-tert-butylphenol 141-97-9, Ethyl acetoacetate 1113-21-9, Geranyllinalool **4602-84-0**, Farnesol 7541-49-3 **13190-97-1**, Solanesol 77551-14-5 79577-58-5 123086-37-3 123086-40-8 123086-45-3 123086-47-5 123164-54-5
RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, in prepn. of ulcer inhibitors)

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=> s l81 and l19
L85          6 L81 AND L19

=> d l85 1-6

L85  ANSWER 1 OF 6  CAPLUS  COPYRIGHT 2003 ACS
AN   2001:923556  CAPLUS
DN   136:58521
TI   Cosmetic composition for stressed skin under extreme conditions containing
     a hydrocarbon, a silicone and plant extracts
IN   Mohammadi, Fatemeh; Vargas, Anthony
PA   FD Management, Inc., USA
SO   PCT Int. Appl., 19 pp.
     CODEN: PIXXD2
DT   Patent
LA   English
FAN.CNT 1
     PATENT NO.         KIND  DATE          APPLICATION NO.  DATE
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PI   WO 2001095728      A1    20011220      WO 2001-US19200  20010613
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
             CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
             GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
             LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT,
             RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ,
             VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
             DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
             BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
     US 2002012640      A1    20020131      US 2001-880245   20010613
PRAI US 2000-211290P    P     20000613
RE.CNT  4      THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
               ALL CITATIONS AVAILABLE IN THE RE FORMAT

L85  ANSWER 2 OF 6  CAPLUS  COPYRIGHT 2003 ACS
AN   2001:137173  CAPLUS
DN   134:178396
TI   Synthesis, activity and formulations of pharmaceutical compounds for
     treatment of oxidative stress and/or endothelial dysfunction
IN   Del Soldato, Piero
PA   Nicox S.A., Fr.
SO   PCT Int. Appl., 94 pp.
     CODEN: PIXXD2
DT   Patent
LA   English
FAN.CNT 1
     PATENT NO.         KIND  DATE          APPLICATION NO.  DATE
     ---------------    ----  --------      ---------------  --------
PI   WO 2001012584      A2    20010222      WO 2000-EP7225   20000727
     WO 2001012584      A3    20020829
         W:  AE, AL, AU, BA, BB, BG, BR, CA, CN, CR, CU, CZ, DM, EE, GD, GE,
             HR, HU, ID, IL, IN, IS, JP, KP, KR, LC, LK, LR, LT, LV, MA, MG,
             MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, TR, TT, UA, US, UZ, VN,
             YU, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
             DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ,
             CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
     BR 2000013264      A     20020416      BR 2000-13264    20000727
     EP 1252133         A2    20021030      EP 2000-953102   20000727
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO, MK, CY, AL
     JP 2003515526      T2    20030507      JP 2001-516885   20000727
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     NO 2002000623      A    20020409       NO 2002-623      20020208
PRAI IT 1999-MI1817     A    19990812
     WO 2000-EP7225     W    20000727
OS   MARPAT 134:178396

L85  ANSWER 3 OF 6  CAPLUS  COPYRIGHT 2003 ACS
AN   2000:742057  CAPLUS
DN   133:309791
TI   Synthesis, activity and formulations of pharmaceutical compounds for
     treatment of oxidative stress and/or endothelial dysfunction
IN   Del Soldato, Piero
PA   Nicox S.A., Fr.
SO   PCT Int. Appl., 140 pp.
     CODEN: PIXXD2
DT   Patent
LA   English
FAN.CNT 1
     PATENT NO.         KIND  DATE           APPLICATION NO.  DATE
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PI   WO 2000061541      A2    20001019       WO 2000-EP3239   20000411
     WO 2000061541      A3    20010927
         W:  AL, AU, BA, BB, BG, BR, CA, CN, CU, CZ, DM, EE, GE, HR, HU, ID,
             IL, IN, IS, JP, KP, KR, LC, LK, LR, LT, LV, MA, MG, MK, MN, MX,
             NO, NZ, PL, RO, SG, SI, SK, SL, TR, TT, UA, US, UZ, VN, YU, ZA,
             AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
         RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE,
             DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,
             CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
     IT 1311923         B1    20020320       IT 1999-MI752    19990413
     BR 2000009703      A     20020108       BR 2000-9703     20000411
     EP 1169298         A2    20020109       EP 2000-926870   20000411
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO
     JP 2002541236      T2    20021203       JP 2000-610818   20000411
     NO 2001004928      A     20011213       NO 2001-4928     20011010
PRAI IT 1999-MI752      A     19990413
     WO 2000-EP3239     W     20000411
OS   MARPAT 133:309791

L85  ANSWER 4 OF 6  CAPLUS  COPYRIGHT 2003 ACS
AN   2000:742053  CAPLUS
DN   133:310142
TI   Synthesis, activity and formulations of pharmaceutical compounds for
     treatment of oxidative stress and/or endothelial dysfunction
IN   Del Soldato, Piero
PA   Nicox S.A., Fr.
SO   PCT Int. Appl., 159 pp.
     CODEN: PIXXD2
DT   Patent
LA   English
FAN.CNT 1
     PATENT NO.         KIND  DATE           APPLICATION NO.  DATE
     ---------------    ----  --------       ---------------  --------
PI   WO 2000061537      A2    20001019       WO 2000-EP3234   20000411
     WO 2000061537      A3    20010927
         W:  AL, AU, BA, BB, BG, BR, CA, CN, CU, CZ, DM, EE, GE, HR, HU, ID,
             IL, IN, IS, JP, KP, KR, LC, LK, LR, LT, LV, MA, MG, MK, MN, MX,
             NO, NZ, PL, RO, SG, SI, SK, SL, TR, TT, UA, US, UZ, VN, YU, ZA,
             AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
         RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE,
             DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,
             CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
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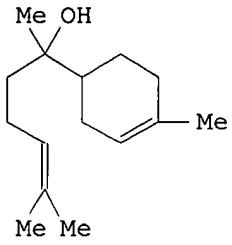
IT 1311924 B1 20020320 IT 1999-MI753 19990413
BR 2000009702 A 20020108 BR 2000-9702 20000411
EP 1169294 A2 20020109 EP 2000-925203 20000411
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO
JP 2002541233 T2 20021203 JP 2000-610814 20000411
NO 2001004927 A 20011213 NO 2001-4927 20011010
PRAI IT 1999-MI753 A 19990413
WO 2000-EP3234 W 20000411
OS MARPAT 133:310142

L85 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2003 ACS
AN 1999:168599 CAPLUS
DN 130:335402
TI Chemical response of parsley and Mentha herbs to certain **stress** agents
AU Hashema, Fatma Abd El-Megeed; Sahab, Ahmed Farahat
CS Pharmaceutical Science Department, National Research Centre, Cairo, Egypt
SO Food Chemistry (1999), 65(1), 29-33
CODEN: FOCHDJ; ISSN: 0308-8146
PB Elsevier Science Ltd.
DT Journal
LA English
RE.CNT 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L85 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2003 ACS
AN 1979:400383 CAPLUS
DN 91:383
TI Pharmacological experiments with components of chamomile. III. Experimental animal studies of the ulcer-protective effect of chamomile
AU Szelenyi, I.; Isaac, O.; Thiemer, K.
CS Chemiewerk Homburg, Degussa, Frankfurt/Main, Fed. Rep. Ger.
SO Planta Medica (1979), 35(2), 218-27
CODEN: PLMEAA; ISSN: 0032-0943
DT Journal
LA German

=> d l85 6 all

L85 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2003 ACS
AN 1979:400383 CAPLUS
DN 91:383
TI Pharmacological experiments with components of chamomile. III. Experimental animal studies of the ulcer-protective effect of chamomile
AU Szelenyi, I.; Isaac, O.; Thiemer, K.
CS Chemiewerk Homburg, Degussa, Frankfurt/Main, Fed. Rep. Ger.
SO Planta Medica (1979), 35(2), 218-27
CODEN: PLMEAA; ISSN: 0032-0943
DT Journal
LA German
CC 1-5 (Pharmacodynamics)
GI



I

AB (-)-.alpha.-Bisabolol (I) [**23089-26-1**], a component of chamomile, inhibited the ulcer formation induced by indomethacin, alc., or **stress** in rats, and increased the rate of healing of ulcers caused by HOAc or heat cauterization of the stomach. The chamomile ext. Kamillosan also inhibited the occurrence of alc.-induced ulceration.
ST bisabolol ulcer inhibition; chamomile component ulcer inhibition
IT Ulcer
(bisabolol and chamomile ext. inhibition of)
IT Chamomile
(ext. of, ulcer inhibition by)
IT **23089-26-1**
RL: BIOL (Biological study)
(ulcer inhibition by)

=> s l21 and l81
L86 2 L21 AND L81

=> s l86 1-2
MISSING OPERATOR L86 1-2
The search profile that was entered contains terms or
nested terms that are not separated by a logical operator.

=> d l86 1-2

L86 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS
AN 2002:392183 CAPLUS
DN 136:385060
TI Biooxidation of volatile organics by Candida sp.
IN Eirich, L. Dudley; Anderson, Kevin W.; Gates, Jeffrey A.; Wilson, C. Ron; Biermann, Manfred; Vice, Gilbert H.
PA USA
SO U.S. Pat. Appl. Publ., 17 pp.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI US 2002061566	A1	20020523	US 2001-812308	20010320
PRAI US 2000-190626P	P	20000320		

OS MARPAT 136:385060

L86 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS
AN 1990:191786 CAPLUS
DN 112:191786
TI Measures of anxiety, retention and **stress** in the rat following treatment with the diterpene sclareol glycol
AU Georgieva, Zh.
CS Inst. Pharmacol. Pharm., Sofia, 1431, Bulg.
SO Methods and Findings in Experimental and Clinical Pharmacology (1990),

12(1), 5-10
CODEN: MFEPDX; ISSN: 0379-0355
DT Journal
LA English

=> d l86 2 all

L86 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS
AN 1990:191786 CAPLUS
DN 112:191786
TI Measures of anxiety, retention and **stress** in the rat following treatment with the diterpene sclareol glycol
AU Georgieva, Zh.
CS Inst. Pharmacol. Pharm., Sofia, 1431, Bulg.
SO Methods and Findings in Experimental and Clinical Pharmacology (1990), 12(1), 5-10
CODEN: MFEPDX; ISSN: 0379-0355
DT Journal
LA English
CC 1-11 (Pharmacology)
Section cross-reference(s): 14
AB In a punished drinking test in rats sclareol glycol (SG) decreased the no. of punished responses (proconflict response) while diazepam had the opposite effect; SG antagonized the anticonflict response of diazepam. Post-training administration of SG in rats enhanced retention in active avoidance rank evaluated 24 h later. SG produced an increase in plasma ACTH and corticosterone levels in unstressed rats. The **stress** -induced increase in ACTH and corticosterone secretion was potentiated by SG. These data suggest that SG behaves as an anxiogenic, memory-facilitator and perhaps adaptogenic agent. The effects of SG may be mediated by different mechanisms of action (stimulation of adenylate cyclase or interaction with GABA-ergic and dopaminergic transmitter mechanisms).
ST sclareol glycol anxiety learning **stress**; diterpene anxiety learning **stress**
IT **Stress**, biological
(ACTH and corticosterone secretion induction by, sclareol glycol enhancement of)
IT Anxiety
(from sclareol glycol)
IT Learning
(sclareol glycol enhancement of)
IT **38419-75-9**, Sclareol glycol
RL: BIOL (Biological study)
(anxiety from and learning stimulation by and **stress**-induced increase in ACTH and corticosterone secretion response to)
IT 50-22-6, Corticosterone 9002-60-2, ACTH, biological studies
RL: BIOL (Biological study)
(secretion of, sclareol glycol increase of **stress**-induced)

=> s l74 and l81
L87 1 L74 AND L81

=> s l87
L88 1 L74 AND L81

=> d l87

L87 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS
AN 1990:36226 CAPLUS

DN 112:36226
TI Preparation of antiulcer isoprenoid derivatives and pharmaceutical compositions containing them
IN Yamada, Kazuhiko; Tahara, Yoshiyuki; Toyoda, Masashi; Irino, Osamu; Misaki, Noriyuki
PA Nisshin Flour Milling Co., Ltd., Japan
SO Eur. Pat. Appl., 29 pp.
CODEN: EPXXDW
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 304842	A2	19890301	EP 1988-113617	19880822
	EP 304842	A3	19910116		
	EP 304842	B1	19941130		
	R: BE, CH, DE, ES, FR, GB, IT, LI, NL, SE				
	JP 02042030	A2	19900213	JP 1988-206465	19880822
	US 4906669	A	19900306	US 1988-234895	19880822
	ES 2067461	T3	19950401	ES 1988-113617	19880822
	KR 9701518	B1	19970211	KR 1988-10803	19880825
PRAI	JP 1987-209214	A	19870825		
	JP 1988-96770	A	19880421		
	JP 1988-206455	A	19880822		

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MISSING OPERATOR L87 1 ALL
The search profile that was entered contains terms or
nested terms that are not separated by a logical operator.

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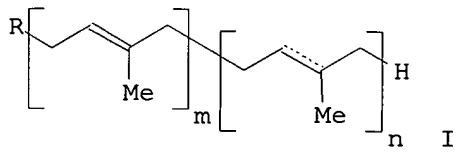
L87 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS
AN 1990:36226 CAPLUS
DN 112:36226
TI Preparation of antiulcer isoprenoid derivatives and pharmaceutical compositions containing them
IN Yamada, Kazuhiko; Tahara, Yoshiyuki; Toyoda, Masashi; Irino, Osamu; Misaki, Noriyuki
PA Nisshin Flour Milling Co., Ltd., Japan
SO Eur. Pat. Appl., 29 pp.
CODEN: EPXXDW
DT Patent
LA English
IC ICM A61K031-05
ICS A61K031-085; A61K031-09; A61K031-22; A61K031-12; A61K031-355; C07C050-06; C07D311-72; C07D311-58; C07C039-19
CC 30-40 (Terpenes and Terpenoids)
Section cross-reference(s): 1
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 304842	A2	19890301	EP 1988-113617	19880822
	EP 304842	A3	19910116		
	EP 304842	B1	19941130		
	R: BE, CH, DE, ES, FR, GB, IT, LI, NL, SE				
	JP 02042030	A2	19900213	JP 1988-206465	19880822
	US 4906669	A	19900306	US 1988-234895	19880822
	ES 2067461	T3	19950401	ES 1988-113617	19880822
	KR 9701518	B1	19970211	KR 1988-10803	19880825
PRAI	JP 1987-209214	A	19870825		

JP 1988-96770 A 19880421
JP 1988-206455 A 19880822

GI



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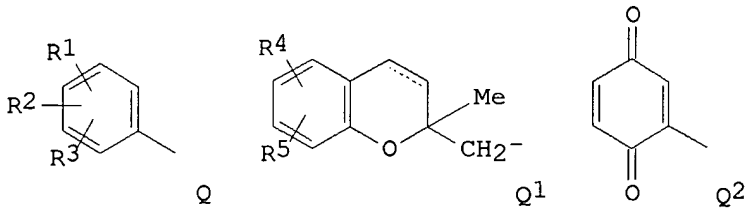

Q Q1 Q2

AB The title compds. [I; R = Q, Q1, Q2; R1-R3 = H, OH, alkanoyloxy, alkyl, alkoxy, provided that .gtoreq.2 .noteq. H; R4, R5 = H, OH, alkanoyloxy; m = 0, 1; n = 0-9], useful as antiulcer agents, were prepd. Hydroquinone in dioxane contg. BF3.Et2O was heated 1 h at 40.degree. with 3,7,11,15-tetramethyl-2-hexadecen-1-ol to give, after hydrolysis, 2-(3,7,11,15-tetramethyl-2-hexadecenyl)hydroquinone. At 100 mg/kg orally the latter gave 84.9% inhibition of **stress**-induced ulcers in male rats. A tablet was formulated contg. 2-[3,7(R),11(R),15-tetramethyl-2-hexadecenyl]hydroquinone 50, cryst. cellulose 50, cornstarch 30, lactose 17.8, hydroxypropylcellulose 0.2, and Mg stearate 2 mg.

ST isoprenoid deriv prepn antiulcer; phytylhydroquinone deriv prepn antiulcer; hydroquinone phytyl prepn antiulcer

IT Ulcer inhibitors
(isoprenoid derivs.)

IT 50848-64-1P 61977-06-8P 71258-98-5P 77551-14-5P 79577-58-5P 102043-79-8P 123086-31-7P 123086-32-8P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. and reaction of, in prepn. of ulcer inhibitors)

IT 119-98-2P 6199-76-4P 10457-66-6P 35175-62-3P 39703-09-8P 71258-97-4P 74166-02-2P 74166-03-3P 76275-68-8P 81557-69-9P 113714-90-2P 119980-00-6P 123086-31-7P 123086-32-8P 123086-33-9P 123086-34-0P 123086-35-1P 123086-36-2P 123086-37-3P 123086-38-4P 123086-39-5P 123086-40-8P 123086-41-9P 123086-42-0P 123086-43-1P 123086-44-2P 123086-45-3P 123086-46-4P 123086-47-5P 123086-48-6P 123086-49-7P 123086-50-0P 123086-51-1P 123086-52-2P 123086-53-3P 123086-54-4P 123086-55-5P 123086-56-6P 123086-57-7P 123086-58-8P 123086-59-9P 123086-60-2P 123086-61-3P 123086-62-4P 123086-63-5P 123086-64-6P 123164-53-4P 123237-20-7P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(prepn. of, as ulcer inhibitor)

IT 87-66-1, 1,2,3-Benzenetriol 91-16-7, 1,2-Dimethoxybenzene 106-24-1, Geraniol 119-98-2 120-80-9, 1,2-Benzenediol, reactions 123-31-9, 1,4-Benzenediol, reactions 128-39-2, 2,6-Di-tert-butylphenol 141-97-9, Ethyl acetoacetate **1113-21-9**, Geranyllinalool 4602-84-0,

Farnesol 7541-49-3 13190-97-1, Solanesol 77551-14-5 79577-58-5
123086-37-3 123086-40-8 123086-45-3 123086-47-5 123164-54-5
RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, in prepn. of ulcer inhibitors)

=> d his

(FILE 'HOME' ENTERED AT 15:49:40 ON 15 JUL 2003)

FILE 'REGISTRY' ENTERED AT 15:49:46 ON 15 JUL 2003

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L1            43 S CEDROL
L2            33 S PATCHOULI
L3            36 S SANTALOL
L4            31 S BISABOLOL
                 E BISABOLOL
L5             2 S VETIVEROL
L6            30 S SCLAREOL
L7             0 S GLOBUOL
L8             9 S GLOBULOL
L9            11 S GUAIOL
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FILE 'CAPLUS' ENTERED AT 15:55:44 ON 15 JUL 2003

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                 E SLEEP
L10        15616 S E3
                 E SEDATIVE
L11        12852 S E3-E9
                 E RELAXATION
L12       217668 S E3 OR E8
                 E NARCOTIC
L13        10398 S E3 OR E12
                 E HYPNOTIC
L14         9427 S E3 OR E10
                 E SOMULENCE
                 E SOMUL
                 E SOMNIA
                 E INSOMNIA
L15         1431 S E3-E8
L16          717 S L1
L17          214 S L2
L18          350 S L3
L19         1195 S L4
L20           80 S L5
L21          487 S L6
L22          621 S L8
L23        12852 S L11
L24        12852 S L11
L25          422 S L9
L26            1 S L6 AND L10
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FILE 'REGISTRY' ENTERED AT 16:04:01 ON 15 JUL 2003

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L27            1 S 38419-75-9/RN
                 SET NOTICE 1 DISPLAY
                 SET NOTICE LOGIN DISPLAY
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FILE 'CAPLUS' ENTERED AT 16:04:27 ON 15 JUL 2003

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L28            2 S L10 AND L16
L29            1 S L16 AND L11
L30            0 S L16 AND L12
L31            0 S L16 AND L13
L32            1 S L16 AND L14
L33            0 S L15 AND L16
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L34             0 S L17 AND L10
L35             0 S L17 AND L11
L36             0 S L17 AND L13
L37             0 S L17 AND L15
L38             0 S L18 AND L10
L39             0 S L18 AND L13
L40             0 S L19 AND L10
L41             0 S LL18 AND L12
L42             0 S L18 AND L12
L43             1 S L19 AND L12
L44             1 S 43 1 ALL
L45             0 S L19 AND L15
L46             0 S L20 AND L10
L47             0 S L20 AND L12
L48             1 S L21 AND L10
L49             0 S L22 AND L12
L50             0 S L25 AND L10
                  E NERVIOUS
                  E NERVOUS
L51        164186 S E3-E7
L52             1 S L51 AND L16

     FILE 'REGISTRY' ENTERED AT 16:16:22 ON 15 JUL 2003
                  E FARNESOL
L53            75 S E3
                  E EUGENOL
L54           165 S E3
L55             4 S GERANYL LINALOOL
                  E CEDRENOL
L56             9 S E3
                  E ISOPYTOL
                  E ISOPHYTOL
L57             6 S E3
                  E NEROLIDOL
L58            41 S E3

     FILE 'CAPLUS' ENTERED AT 16:21:24 ON 15 JUL 2003
L59             1 S L56 AND L10
L60             0 S L56 AND L12
L61             0 S L56 AND L15
L62            90 S L56
L63             1 S L62 AND L10
L64             0 S L62 AND L12
L65          3275 S L53
L66             1 S L65 AND L10
L67             9 S L65 AND L12
L68             0 S L65 AND L13
L69             0 S L65 AND L15
L70          8961 S L54
L71             8 S L70 AND L10
L72            33 S L70 AND L12
L73            33 S L72 NOT L71
L74           123 S L55
L75             1 S L74 AND L10
L76           380 S L57
L77             1 S L76 AND L10
L78             0 S L76 AND L15
L79          2587 S L58
L80             2 S L79 AND L10
                  E STRESS
L81        393704 S E3
L82             5 S L81 AND L16
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L83             0 S L62 AND L81
L84            26 S L65 AND L81
L85             6 S L81 AND L19
L86             2 S L21 AND L81
L87             1 S L74 AND L81
L88             1 S L87

=>

---Logging off of STN---


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Executing the logoff script...


=> LOG Y

COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                   131.09     336.77

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                       ENTRY    SESSION
CA SUBSCRIBER PRICE                                    -7.81     -10.41

STN INTERNATIONAL LOGOFF AT 16:46:11 ON 15 JUL 2003
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AN 1987:611773 CAPLUS
DN 107:211773
TI Behavioral effects of the diterpene sclareol glucol
AU Georgieva, Zh.; Uzunov, P.; Ognyanov, I.; Bantutova, M.
CS Bulg.
SO Problemi na Farmakologiyata (1986), 1, 24-32
CODEN: PRFAE9
DT Journal
LA Russian
CC 1-11 (Pharmacology)
AB In expts. on male mice and rats some behavioral effects of the diterpene sclareol glucol (SG) were studied. SG in higher doses (50, 100 mg/kg) enhanced the sensitivity to touch and pain, shortened the duration of hexobarbital **sleep**, stimulated exploratory behavior in rats in open field, exerted no anti-convulsive effect and increased the mortality from pentylenetetrazole seizures. In higher doses (300, 500, and 1000 mg/kg) SG induced seizures.
ST sclareol glucol behavior nervous system
IT Behavior
Nervous system
(sclareol glucol effect on)
IT **38419-75-9**
RL: PRP (Properties)
(behavioral and nervous systems effects of)

AN 1992:171087 CAPLUS
DN 116:171087
TI Effects of olfactory stimulation with jasmin and its component chemicals on the duration of pentobarbital-induced **sleep** in mice
AU Tsuchiya, T.; Tanida, M.; Uenoyama, S.; Nakayama, Y.
CS Shiseido Res. Cent., Yokohama, 223, Japan
SO Life Sciences (1992), 50(15), 1097-102
CODEN: LIFSAK; ISSN: 0024-3205
DT Journal
LA English
CC 13-6 (Mammalian Biochemistry)
Section cross-reference(s): 62
AB The effect of olfactory stimulation with jasmin and its component chems. on pentobarbital **sleep** time was investigated using mice in order to det. which component of jasmin influences pentobarbital **sleep** time via olfactory stimulation. **Sleep** time was defined as the time elapsed between i.p. pentobarbital administration and the first time that the animal was able to spontaneously right itself. **Sleep** time was significantly decreased by olfactory stimulation with jasmin, and also by one of the fractions obtained by fractional distn. at 150 .degree.C and 0.1 mmHg. The fraction which influenced the **sleep** time was found to consist of benzyl benzoate, isophytol, geranyl linalool, phytol and phytyl acetate, which were identified using gas chromatog. with mass and IR spectrometry. In expts. using authentic samples of these components, phytol significantly shortened the pentobarbital **sleep** time, while the others had no effect. Phytol is the component of jasmin which reduces the duration of pentobarbital-induced **sleep**.
ST **sleep** pentobarbital jasmin phytol drug interaction; olfactory system **sleep** pentobarbital jasmin phytol
IT **Sleep**
(jasmin inhibition of pentobarbital-induced, olfactory stimulation in)
IT Essential oils
RL: BIOL (Biological study)
(jasmine, Jasminum grandiflorum abs., pentobarbital-induced **sleep** inhibition by, olfactory stimulation in)
IT Nervous system
(olfactory system, jasmin stimulation of, pentobarbital-induced **sleep** inhibition by)
IT 76-74-4, Pentobarbital
RL: BIOL (Biological study)
(jasmin inhibition of **sleep** stimulation by, olfactory stimulation in)
IT 120-51-4, Benzyl benzoate 140-11-4, Benzyl acetate 150-86-7, Phytol 505-32-8, Isophytol **1113-21-9**, Geranyl linalool 10236-16-5, Phytyl acetate
RL: BIOL (Biological study)
(pentobarbital **sleep** time response to, as jasmin component, olfactory stimulation in relation to)

=>

AN 1987:611773 CAPLUS
DN 107:211773
TI Behavioral effects of the diterpene sclareol glucol
AU Georgieva, Zh.; Uzunov, P.; Ognyanov, I.; Bantutova, M.
CS Bulg.
SO Problemi na Farmakologiyata (1986), 1, 24-32
CODEN: PRFAE9
DT Journal
LA Russian
CC 1-11 (Pharmacology)
AB In expts. on male mice and rats some behavioral effects of the diterpene sclareol glucol (SG) were studied. SG in higher doses (50, 100 mg/kg) enhanced the sensitivity to touch and pain, shortened the duration of hexobarbital **sleep**, stimulated exploratory behavior in rats in open field, exerted no anti-convulsive effect and increased the mortality from pentylenetetrazole seizures. In higher doses (300, 500, and 1000 mg/kg) SG induced seizures.
ST sclareol glucol behavior nervous system
IT Behavior
Nervous system
(sclareol glucol effect on)
IT **38419-75-9**
RL: PRP (Properties)
(behavioral and nervous systems effects of)

AN 1993:616760 CAPLUS
DN 119:216760
TI Calcium antagonistic properties of the sesquiterpene T-cadinol and related substances: structure-activity studies
AU Zygmunt, P. M.; Larsson, B.; Sterner, O.; Vinge, E.; Hoegestaett, E. D.
CS Dep. Clin. Pharmacol., Univ. Hosp. Lund, Lund, S-22185, Swed.
SO Pharmacology & Toxicology (Oxford, United Kingdom) (1993), 73(1), 3-9
CODEN: PHTOEH; ISSN: 0901-9928
DT Journal
LA English
CC 1-3 (Pharmacology)
AB The calcium antagonistic properties of (+)-T-cadinol, some of its stereoisomers and related terpenes were investigated in both functional and radioligand binding studies, and the effects were compared with those of the dihydroxypyridine calcium antagonist (.+-.)-nimodipine. In the isolated rat aorta, the terpenes relaxed contractions induced by 60 mM K+ more potently than those induced by phenylephrine. (+)-T-cadinol and its stereoisomers were the most potent among the terpenes to relax K+-induced contractions, whereas they were approx. 10,000 times less potent than (.+-.)-nimodipine in this regard. Binding of the dihydropyridine radioligand [3H]-(+)-PN200-110 was studied on rat cerebral cortical membranes. Displacement and satn. studies indicated that (+)-T-cadinol caused a competitive inhibition of binding. The log Ki values for (+)-T-cadinol and (.+-.)-nimodipine from displacement studies (-4.7 and -9.2) corresponded with the log RC50 values for **relaxation** of K+-contracted rat aortas (-5.0 and -9.0). For the terpenes, there was a significant correlation ($P < 0.001$, $rs = 0.89$) between displacement of dihydropyridine binding and the ability to relax K+-induced contractions. The structures of three terpenes were chem. modified by blocking hydroxyl groups. The potency of these derivs., as well as the naturally occurring deriv. 2-oxo-T-cadinol, to relax K+-induced contractions was not correlated to the lipophilicity of the compds. Instead, other qualities appear to be of importance for the functional effects. The authors' results suggest that (+)-T-cadinol and related terpenes may represent a new chem. class of calcium antagonists, which interact with dihydropyridine binding sites on the voltage-operated calcium channels.
ST calcium antagonist terpene T cadinol structure
IT Terpenes and Terpenoids, biological studies
RL: BIOL (Biological study)
(calcium antagonism by, structure in relation to)
IT Lipophilicity
(of sesquiterpene T-cadinol and related substances, calcium antagonism in relation to)
IT Ion channel blockers
(calcium, sesquiterpene T-cadinol and related substances as, structure in relation to)
IT Molecular structure-biological activity relationship
(calcium channel-blocking, of sesquiterpene T-cadinol and related substances)
IT Receptors
RL: BIOL (Biological study)
(dihydropyridine, sesquiterpene T-cadinol and related substances binding to, calcium antagonism by, structure in relation to)
IT 481-34-5, (-)-.alpha.-Cadinol 2216-51-5, (-)-Menthol 5937-11-1, (+)-T-Cadinol 19435-97-3 19912-62-0, (-)-T-Muurolol **23089-26-1**, (-)-.alpha.-Bisabolol 53402-16-7 74638-12-3, (-)-Furosardonin A 129058-89-5, (-)-Tremediol 150718-45-9 150718-46-0 150718-47-1
RL: BIOL (Biological study)
(calcium antagonism by, structure in relation to)

=>

AN 1987:611773 CAPLUS
DN 107:211773
TI Behavioral effects of the diterpene sclareol glucol
AU Georgieva, Zh.; Uzunov, P.; Ognyanov, I.; Bantutova, M.
CS Bulg.
SO Problemi na Farmakologiyata (1986), 1, 24-32
CODEN: PRFAE9
DT Journal
LA Russian
CC 1-11 (Pharmacology)
AB In expts. on male mice and rats some behavioral effects of the diterpene sclareol glucol (SG) were studied. SG in higher doses (50, 100 mg/kg) enhanced the sensitivity to touch and pain, shortened the duration of hexobarbital **sleep**, stimulated exploratory behavior in rats in open field, exerted no anti-convulsive effect and increased the mortality from pentylenetetrazole seizures. In higher doses (300, 500, and 1000 mg/kg) SG induced seizures.
ST sclareol glucol behavior nervous system
IT Behavior
Nervous system
(sclareol glucol effect on)
IT **38419-75-9**
RL: PRP (Properties)
(behavioral and nervous systems effects of)

AN 1992:171087 CAPLUS
DN 116:171087
TI Effects of olfactory stimulation with jasmin and its component chemicals on the duration of pentobarbital-induced **sleep** in mice
AU Tsuchiya, T.; Tanida, M.; Uenoyama, S.; Nakayama, Y.
CS Shiseido Res. Cent., Yokohama, 223, Japan
SO Life Sciences (1992), 50(15), 1097-102
CODEN: LIFSAK; ISSN: 0024-3205
DT Journal
LA English
CC 13-6 (Mammalian Biochemistry)
Section cross-reference(s): 62
AB The effect of olfactory stimulation with jasmin and its component chems. on pentobarbital **sleep** time was investigated using mice in order to det. which component of jasmin influences pentobarbital **sleep** time via olfactory stimulation. **Sleep** time was defined as the time elapsed between i.p. pentobarbital administration and the first time that the animal was able to spontaneously right itself. **Sleep** time was significantly decreased by olfactory stimulation with jasmin, and also by one of the fractions obtained by fractional distn. at 150 .degree.C and 0.1 mmHg. The fraction which influenced the **sleep** time was found to consist of benzyl benzoate, isophytol, geranyl linalool, phytol and phytyl acetate, which were identified using gas chromatog. with mass and IR spectrometry. In expts. using authentic samples of these components, phytol significantly shortened the pentobarbital **sleep** time, while the others had no effect. Phytol is the component of jasmin which reduces the duration of pentobarbital-induced **sleep**.
ST **sleep** pentobarbital jasmin phytol drug interaction; olfactory system **sleep** pentobarbital jasmin phytol
IT **Sleep**
(jasmin inhibition of pentobarbital-induced, olfactory stimulation in)
IT Essential oils
RL: BIOL (Biological study)
(jasmine, Jasminum grandiflorum abs., pentobarbital-induced **sleep** inhibition by, olfactory stimulation in)
IT Nervous system
(olfactory system, jasmin stimulation of, pentobarbital-induced **sleep** inhibition by)
IT 76-74-4, Pentobarbital
RL: BIOL (Biological study)
(jasmin inhibition of **sleep** stimulation by, olfactory stimulation in)
IT 120-51-4, Benzyl benzoate 140-11-4, Benzyl acetate 150-86-7, Phytol 505-32-8, Isophytol (**1113-21-9**, Geranyl linalool) 10236-16-5, Phytyl acetate
RL: BIOL (Biological study)
(pentobarbital **sleep** time response to, as jasmin component, olfactory stimulation in relation to)

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AN 1996:287269 CAPLUS
DN 125:1102
TI Synthesis and pharmacological activity of a eugenol derivative
AU Costa, J. A.; Oliveira, R. A. G.; Barbosa, J. M.; Souza Brito, A. R. M.
CS Lab. Tecnologia Farmaceutica, UFPb, Joao Pessoa, Brazil
SO Revista Brasileira de Farmacia (1994), 75(2), 40-5
CODEN: RBFAAH; ISSN: 0370-372X
PB Associacao Brasileira de Farmaceuticos
DT Journal
LA Portuguese
CC 1-11 (Pharmacology)
Section cross-reference(s): 26
AB The aim of this work was the synthesis of a natural pharmacol. active substance. The target compd. could be prepd. by an oxidative coupling reaction involving a starting material also found in nature. Eugenol, an allyl phenol widely used as a dental local anesthetic, was obtained by a soxhlet extn. of cloves oil from Caryophyllus aromaticus. Eugenol, prepd. by purifn. of the crude oil, was dimerized using potassium ferricyanide, giving dehydrodieugenol (DDE), a substance previously isolated from plants. The two phenolic groups were methylated with di-Me sulfate giving di-O-methyldehydrodieugenol (DMDDE). Pharmacol. evaluation of DMDDE in mice showed that it has a CNS-depressant effect, characterized by general sluggishness of the animal. It potentiated the **sleep** induced by sodium pentobarbital (which confirms its depressant activity) and also presented an analgesic effect after chem., mech. and thermal nociceptives stimulus. Furthermore, 50% of the exptl. animals were protected against pentylenetrazol-induced convulsion and survived. These data confirmed the central depressant activity of DMDDE.
ST eugenol deriv prepn central nervous depressant; dimethyldehydrodieugenol prepn central nervous depressant
IT Analgesics
Anticonvulsants and Antiepileptics
Nervous system depressants
Sleep
(dimethyldehydrodieugenol prepn. and pharmacol. activity)
IT 13417-56-6P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(dimethyldehydrodieugenol prepn. and pharmacol. activity)
IT **97-53-0**, Eugenol
RL: RCT (Reactant); RACT (Reactant or reagent)
(dimethyldehydrodieugenol prepn. and pharmacol. activity)
IT **4433-08-3P**, Dehydrodieugenol
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(dimethyldehydrodieugenol prepn. and pharmacol. activity)

AN 1989:225383 CAPLUS
DN 110:225383
TI Methyl eugenol: laboratory evaluation in animals
AU Barbosa, P. P. P.; Teixeira, J. R. M.; Melo, M. F. B.; Gusmao, Q. M. W. B.
CS Esc. Cienc. Med., Univ. Fed. Alagoas, Alagoas, Brazil
SO Revista Brasileira de Anestesiologia (1988), 38(6), 393-7
CODEN: RBANAV; ISSN: 0034-7094
DT Journal
LA Portuguese
CC 1-11 (Pharmacology)
AB Me Eugenol, an essential oil fraction obtained from Caryophyllum aromaticus, caused central depressing effects with significant hypnotic and myorelaxing action in doses of 40 mg/kg, i.p., for rats and 5 mg/kg, i.v., for rabbits and dogs, rapid induction and satisfactory duration of **sleep** (118.4 s and 47.3 min resp.) in rats, and **sleep** time between 9-12 min in dogs. Anesthetic evolution in dogs was satisfactory, followed by rapid recovery and movement. Me eugenol (20 .mu.g/mL) reduced the atrial muscular cardiac force of contraction (50%) in 20 min. The addn. of Me eugenol to isolated rat diaphragm-nerve prepns. produced muscular contraction blockade under direct and indirect stimulation.
ST methyl eugenol hypnotic muscle relaxant
IT Anesthetics
Hypnotics and Sedatives
Muscle relaxants
(Me eugenol)
IT **93-15-2**, Methyl eugenol
RL: BIOL (Biological study)
(hypnotic and muscle-relaxant activities of)

AN 1982:504098 CAPLUS
DN 97:104098
TI The pharmacological effects of a ligroin extract of nutmeg (Myristica fragrans)
AU Sherry, C. J.; Ray, L. E.; Herron, R. E.
CS Dep. Biol., Texas A and M Univ., College Station, TX, 77843, USA
SO Journal of Ethnopharmacology (1982), 6(1), 61-6
CODEN: JOETD7; ISSN: 0378-8741
DT Journal
LA English
CC 1-11 (Pharmacology)
Section cross-reference(s): 11, 63
AB A ligroin ext. of nutmeg (Myristica fragrans) increased the duration of light and deep **sleep** in the young chicken. The presence of trimyristin [555-45-3] tended to increase the effect of the ext. The ext. did not contain detectable amts. of myristicin [607-91-0], elemicin [487-11-6], safrole [94-59-7], or eugenol [**97-53-0**], which either individually or collectively have been suggested to be the active agents of nutmeg.
ST nutmeg ext pharmacol; psychotropic nutmeg ext
IT Myristica
(ext. of, compn. and pharmacol. of)
IT Psychotropics
(nutmeg ext.)
IT 94-59-7 **97-53-0** 487-11-6 607-91-0
RL: BIOL (Biological study)
(nutmeg psychotropic activity in relation to)
IT 555-45-3
RL: BIOL (Biological study)
(nutmeg psychotropic activity potentiation by)

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DN 112:36226

TI Preparation of antiulcer isoprenoid derivatives and pharmaceutical compositions containing them

IN Yamada, Kazuhiko; Tahara, Yoshiyuki; Toyoda, Masashi; Irino, Osamu; Misaki, Noriyuki

PA Nisshin Flour Milling Co., Ltd., Japan

SO Eur. Pat. Appl., 29 pp.
CODEN: EPXXDW

DT Patent

LA English

IC ICM A61K031-05
ICS A61K031-085; A61K031-09; A61K031-22; A61K031-12; A61K031-355; C07C050-06; C07D311-72; C07D311-58; C07C039-19

CC 30-40 (Terpenes and Terpenoids)
Section cross-reference(s): 1

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 304842	A2	19890301	EP 1988-113617	19880822
	EP 304842	A3	19910116		
	EP 304842	B1	19941130		
	R: BE, CH, DE, ES, FR, GB, IT, LI, NL, SE				
	JP 02042030	A2	19900213	JP 1988-206465	19880822
	US 4906669	A	19900306	US 1988-234895	19880822
	ES 2067461	T3	19950401	ES 1988-113617	19880822
	KR 9701518	B1	19970211	KR 1988-10803	19880825
PRAI	JP 1987-209214	A	19870825		
	JP 1988-96770	A	19880421		
	JP 1988-206455	A	19880822		

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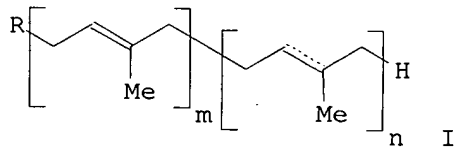

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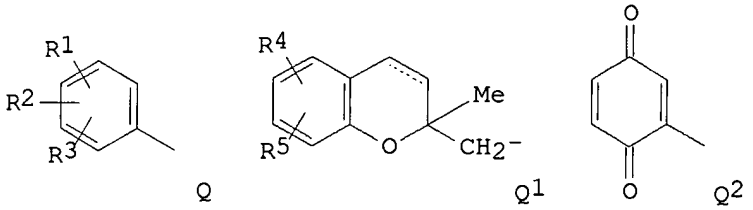

Q Q1 Q2

AB The title compds. [I; R = Q, Q1, Q2; R1-R3 = H, OH, alkanoyloxy, alkyl, alkoxy, provided that .gtoreq.2 .noteq. H; R4, R5 = H, OH, alkanoyloxy; m = 0, 1; n = 0-9], useful as antiulcer agents, were prepd. Hydroquinone in dioxane contg. BF3.Et2O was heated 1 h at 40.degree. with 3,7,11,15-tetramethyl-2-hexadecen-1-ol to give, after hydrolysis, 2-(3,7,11,15-tetramethyl-2-hexadecenyl)hydroquinone. At 100 mg/kg orally the latter gave 84.9% inhibition of **stress**-induced ulcers in male rats. A tablet was formulated contg. 2-[3,7(R),11(R),15-tetramethyl-2-hexadecenyl]hydroquinone 50, cryst. cellulose 50, cornstarch 30, lactose 17.8, hydroxypropylcellulose 0.2, and Mg stearate 2 mg.

ST isoprenoid deriv prepn antiulcer; phytylhydroquinone deriv prepn antiulcer; hydroquinone phytyl prepn antiulcer

IT Ulcer inhibitors
(isoprenoid derivs.)

IT 50848-64-1P 61977-06-8P 71258-98-5P 77551-14-5P 79577-58-5P 102043-79-8P 123086-31-7P 123086-32-8P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. and reaction of, in prepn. of ulcer inhibitors)

IT 119-98-2P 6199-76-4P 10457-66-6P 35175-62-3P 39703-09-8P 71258-97-4P 74166-02-2P 74166-03-3P 76275-68-8P 81557-69-9P 113714-90-2P 119980-00-6P 123086-31-7P 123086-32-8P 123086-33-9P 123086-34-0P 123086-35-1P 123086-36-2P 123086-37-3P 123086-38-4P 123086-39-5P 123086-40-8P 123086-41-9P 123086-42-0P 123086-43-1P 123086-44-2P 123086-45-3P 123086-46-4P 123086-47-5P 123086-48-6P 123086-49-7P 123086-50-0P 123086-51-1P 123086-52-2P 123086-53-3P 123086-54-4P 123086-55-5P 123086-56-6P 123086-57-7P 123086-58-8P 123086-59-9P 123086-60-2P 123086-61-3P 123086-62-4P 123086-63-5P 123086-64-6P 123164-53-4P 123237-20-7P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(prepn. of, as ulcer inhibitor)

IT 87-66-1, 1,2,3-Benzenetriol 91-16-7, 1,2-Dimethoxybenzene 106-24-1, Geraniol 119-98-2 120-80-9, 1,2-Benzenediol, reactions 123-31-9, 1,4-Benzenediol, reactions 128-39-2, 2,6-Di-tert-butylphenol 141-97-9, Ethyl acetoacetate **1113-21-9**, Geranyllinalool 4602-84-0, Farnesol 7541-49-3 13190-97-1, Solanesol 77551-14-5 79577-58-5 123086-37-3 123086-40-8 123086-45-3 123086-47-5 123164-54-5
RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, in prepn. of ulcer inhibitors)

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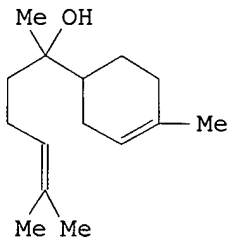
AN 1990:191786 CAPLUS
DN 112:191786
TI Measures of anxiety, retention and **stress** in the rat following treatment with the diterpene sclareol glycol
AU Georgieva, Zh.
CS Inst. Pharmacol. Pharm., Sofia, 1431, Bulg.
SO Methods and Findings in Experimental and Clinical Pharmacology (1990), 12(1), 5-10
CODEN: MFEPDX; ISSN: 0379-0355
DT Journal
LA English
CC 1-11 (Pharmacology)
Section cross-reference(s): 14
AB In a punished drinking test in rats sclareol glycol (SG) decreased the no. of punished responses (proconflict response) while diazepam had the opposite effect; SG antagonized the anticonflict response of diazepam. Post-training administration of SG in rats enhanced retention in active avoidance rank evaluated 24 h later. SG produced an increase in plasma ACTH and corticosterone levels in unstressed rats. The **stress** -induced increase in ACTH and corticosterone secretion was potentiated by SG. These data suggest that SG behaves as an anxiogenic, memory-facilitator and perhaps adaptogenic agent. The effects of SG may be mediated by different mechanisms of action (stimulation of adenylate cyclase or interaction with GABA-ergic and dopaminergic transmitter mechanisms).
ST sclareol glycol anxiety learning **stress**; diterpene anxiety learning **stress**
IT **Stress**, biological
(ACTH and corticosterone secretion induction by, sclareol glycol enhancement of)
IT Anxiety
(from sclareol glycol)
IT Learning
(sclareol glycol enhancement of)
IT **38419-75-9**, Sclareol glycol
RL: BIOL (Biological study)
(anxiety from and learning stimulation by and **stress**-induced increase in ACTH and corticosterone secretion response to)
IT 50-22-6, Corticosterone 9002-60-2, ACTH, biological studies
RL: BIOL (Biological study)
(secretion of, sclareol glycol increase of **stress**-induced)

=>

AN 1979:400383 CAPLUS
DN 91:383
TI Pharmacological experiments with components of chamomile. III. Experimental animal studies of the ulcer-protective effect of chamomile
AU Szelenyi, I.; Isaac, O.; Thiemer, K.
CS Chemiewerk Homburg, Degussa, Frankfurt/Main, Fed. Rep. Ger.
SO Planta Medica (1979), 35(2), 218-27
CODEN: PLMEAA; ISSN: 0032-0943
DT Journal
LA German
CC 1-5 (Pharmacodynamics)
GI



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AB (-)-.alpha.-Bisabolol (I) [**23089-26-1**], a component of chamomile, inhibited the ulcer formation induced by indomethacin, alc., or **stress** in rats, and increased the rate of healing of ulcers caused by HOAc or heat cauterization of the stomach. The chamomile ext. Kamillosan also inhibited the occurrence of alc.-induced ulceration.
ST bisabolol ulcer inhibition; chamomile component ulcer inhibition
IT Ulcer
(bisabolol and chamomile ext. inhibition of)
IT Chamomile
(ext. of, ulcer inhibition by)
IT **23089-26-1**
RL: BIOL (Biological study)
(ulcer inhibition by)

DN 112:36226
TI Preparation of antiulcer isoprenoid derivatives and pharmaceutical compositions containing them
IN Yamada, Kazuhiko; Tahara, Yoshiyuki; Toyoda, Masashi; Irino, Osamu; Misaki, Noriyuki
PA Nisshin Flour Milling Co., Ltd., Japan
SO Eur. Pat. Appl., 29 pp.
CODEN: EPXXDW
DT Patent
LA English
IC ICM A61K031-05
ICS A61K031-085; A61K031-09; A61K031-22; A61K031-12; A61K031-355; C07C050-06; C07D311-72; C07D311-58; C07C039-19
CC 30-40 (Terpenes and Terpenoids)
Section cross-reference(s): 1
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 304842	A2	19890301	EP 1988-113617	19880822
	EP 304842	A3	19910116		
	EP 304842	B1	19941130		
	R: BE, CH, DE, ES, FR, GB, IT, LI, NL, SE				
	JP 02042030	A2	19900213	JP 1988-206465	19880822
	US 4906669	A	19900306	US 1988-234895	19880822
	ES 2067461	T3	19950401	ES 1988-113617	19880822
	KR 9701518	B1	19970211	KR 1988-10803	19880825
PRAI	JP 1987-209214	A	19870825		
	JP 1988-96770	A	19880421		
	JP 1988-206455	A	19880822		

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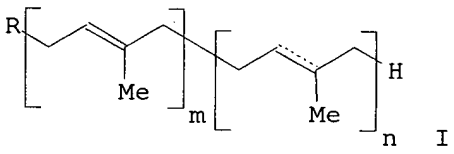

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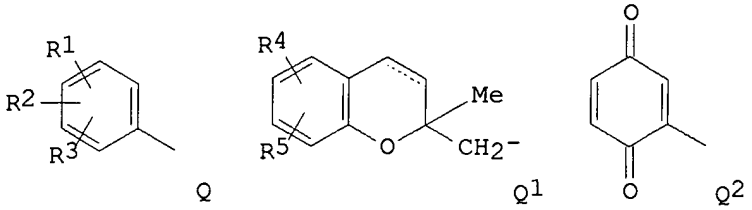

Q Q1 Q2

AB The title compds. [I; R = Q, Q1, Q2; R1-R3 = H, OH, alkanoyloxy, alkyl, alkoxy, provided that .gtoreq.2 .noteq. H; R4, R5 = H, OH, alkanoyloxy; m = 0, 1; n = 0-9], useful as antiulcer agents, were prepd. Hydroquinone in dioxane contg. BF3.Et2O was heated 1 h at 40.degree. with 3,7,11,15-tetramethyl-2-hexadecen-1-ol to give, after hydrolysis, 2-(3,7,11,15-tetramethyl-2-hexadecenyl)hydroquinone. At 100 mg/kg orally the latter gave 84.9% inhibition of **stress**-induced ulcers in male rats. A tablet was formulated contg. 2-[3,7(R),11(R),15-tetramethyl-2-hexadecenyl]hydroquinone 50, cryst. cellulose 50, cornstarch 30, lactose 17.8, hydroxypropylcellulose 0.2, and Mg stearate 2 mg.

ST isoprenoid deriv prepn antiulcer; phytylhydroquinone deriv prepn antiulcer; hydroquinone phytyl prepn antiulcer

IT Ulcer inhibitors
(isoprenoid derivs.)

IT 50848-64-1P 61977-06-8P 71258-98-5P 77551-14-5P 79577-58-5P 102043-79-8P 123086-31-7P 123086-32-8P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. and reaction of, in prepn. of ulcer inhibitors)

IT 119-98-2P 6199-76-4P 10457-66-6P 35175-62-3P 39703-09-8P 71258-97-4P 74166-02-2P 74166-03-3P 76275-68-8P 81557-69-9P 113714-90-2P 119980-00-6P 123086-31-7P 123086-32-8P 123086-33-9P 123086-34-0P 123086-35-1P 123086-36-2P 123086-37-3P 123086-38-4P 123086-39-5P 123086-40-8P 123086-41-9P 123086-42-0P 123086-43-1P 123086-44-2P 123086-45-3P 123086-46-4P 123086-47-5P 123086-48-6P 123086-49-7P 123086-50-0P 123086-51-1P 123086-52-2P 123086-53-3P 123086-54-4P 123086-55-5P 123086-56-6P 123086-57-7P 123086-58-8P 123086-59-9P 123086-60-2P 123086-61-3P 123086-62-4P 123086-63-5P 123086-64-6P 123164-53-4P 123237-20-7P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(prepn. of, as ulcer inhibitor)

IT 87-66-1, 1,2,3-Benzenetriol 91-16-7, 1,2-Dimethoxybenzene 106-24-1, Geraniol 119-98-2 120-80-9, 1,2-Benzenediol, reactions 123-31-9, 1,4-Benzenediol, reactions 128-39-2, 2,6-Di-tert-butylphenol 141-97-9, Ethyl acetoacetate 1113-21-9, Geranyllinalool **4602-84-0**, Farnesol 7541-49-3 **13190-97-1**, Solanesol 77551-14-5 79577-58-5 123086-37-3 123086-40-8 123086-45-3 123086-47-5 123164-54-5
RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, in prepn. of ulcer inhibitors)

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